

```
<html lang="en"><head>
<link rel="preconnect" href="https://cc.cdn.civiccomputing.com"
crossorigin="anonymous">
<link rel="preload" href="/webfiles/1658483350597/js/common/set-body-
class.js" as="script">
<link rel="preload" href="/webfiles/1658483350597/js/common/run-ab-test.js"
as="script">
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=Edge">
<meta name="robots" content="max-image-preview:large">
<meta name="viewport" content="initial-scale=1.0, width=device-width,
viewport-fit=cover">
<meta name="eGMS.accessibility" content="A">
<meta name="eGMS.subject.category" content="Climate and weather">
<meta name="twitter:site" content="@metoffice">
<meta name="twitter:card" content="summary">
<meta property="fb:app_id" content="208580322593329">
<meta property="og:site_name" content="Met Office">
<meta property="og:type" content="website">
<meta property="og:url" content="https://www.metoffice.gov.uk/">
<link rel="icon" href="/favicon.png">
<link rel="icon" href="/favicon-dark.png" media="(prefers-color-scheme:dark)">
<link rel="manifest" href="/manifest.json">
<meta name="theme-color" content="#2a2a2a">
<meta property="og:image"
content="https://www.metoffice.gov.uk/webfiles/1658483350597/images/icons/
social-icons/default_card_315.jpg">
<meta property="og:image:width" content="315">
<meta property="og:image:height" content="315">
<meta name="google-site-verification"
content="LR7Q3483mkrmLcJJZpzlbl48mNnTbBDVzjA3GqT3Q2M">
<meta name="google-translate-customization" content="f8c19e614cd5ee7e-
37428b41ac444aca-gd1bc91f73b6940ae-14">
<link rel="canonical" href="https://www.metoffice.gov.uk/">
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/base.css"
type="text/css">
<script src="/public/adhoc/mo-adhoc.js" defer=""></script>
<script src="/public/gdpr-consent/cookieControl-config.js"
defer="defer"></script>
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/breadcrumb.css"
type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/feedback-banner.css"
type="text/css">
<title>Weather and climate change - Met Office</title>
<meta property="og:title" content="Weather and climate change">
<meta name="title" data-type="string" class="swifttype" content="Weather and
climate change">
<meta name="description" content="Met Office weather forecasts for the UK.
World leading weather services for the public.">
<meta property="og:description" content="Met Office weather forecasts for the
UK. World leading weather services for the public.">
```

```
<script data-src="https://securepubads.g.doubleclick.net/tag/js/gpt.js"
type="text/plain" data-run-after-consent=""></script>
<script src="/webfiles/1658483350597/js/minified/advertising.min.js"></script>
<script>
//
window.metoffice.advertising.addSlotConfiguration("ad-bottom","ad-
bottom",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice = window.metoffice || {};
window.metoffice.advertising = window.metoffice.advertising || {};
window.metoffice.advertising.addTargeting("env", "beta");
window.metoffice.advertising.addTargeting("warnings", "false");
//]]&gt;
&lt;/script&gt;
&lt;script defer="defer" src="/webfiles/1658483350597/js/preview-block/lazy-load-
preview-block.js"&gt;&lt;/script&gt;
&lt;style&gt;
/*<![CDATA[*]
.preview-block-image-8d50762d-7dc1-4394-86a9-b2a6490dfbae {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/climate-change/
billows-of-smoke-pollution-rising-into-a-cloudy-sky.jpg/billows-of-smoke-pollution-
rising-into-a-cloudy-sky.jpg/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-8d50762d-7dc1-4394-86a9-b2a6490dfbae {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/climate-change/
billows-of-smoke-pollution-rising-into-a-cloudy-sky.jpg/billows-of-smoke-pollution-
rising-into-a-cloudy-sky.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-8d50762d-7dc1-4394-86a9-b2a6490dfbae {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/climate-change/
billows-of-smoke-pollution-rising-into-a-cloudy-sky.jpg/billows-of-smoke-pollution-
rising-into-a-cloudy-sky.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-8d50762d-7dc1-4394-86a9-b2a6490dfbae {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/climate-change/
billows-of-smoke-pollution-rising-into-a-cloudy-sky.jpg/billows-of-smoke-pollution-
rising-into-a-cloudy-sky.jpg/metofficegovuk%3AcontentBlockMedium');
}
}
/*]]&gt;*/
&lt;/style&gt;
&lt;style&gt;</pre></div>
```

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/*<![CDATA[*]
.preview-block-image-53ca865c-3dd0-41d9-8ab1-4b9bf597465c {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/fog--mist/
mist-over-a-lake-shore.jpg/mist-over-a-lake-shore.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-53ca865c-3dd0-41d9-8ab1-4b9bf597465c {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/fog--mist/
mist-over-a-lake-shore.jpg/mist-over-a-lake-shore.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-53ca865c-3dd0-41d9-8ab1-4b9bf597465c {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/fog--mist/
mist-over-a-lake-shore.jpg/mist-over-a-lake-shore.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-53ca865c-3dd0-41d9-8ab1-4b9bf597465c {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/fog--mist/
mist-over-a-lake-shore.jpg/mist-over-a-lake-shore.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-de137b31-0161-4de3-89cc-d45a997914a1 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/summer/
deckchairs-set-up-on-a-beach.jpg/deckchairs-set-up-on-a-beach.jpg/
metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-de137b31-0161-4de3-89cc-d45a997914a1 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/summer/
deckchairs-set-up-on-a-beach.jpg/deckchairs-set-up-on-a-beach.jpg/
metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-de137b31-0161-4de3-89cc-d45a997914a1 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/summer/

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deckchairs-set-up-on-a-beach.jpg/deckchairs-set-up-on-a-beach.jpg/
metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-de137b31-0161-4de3-89cc-d45a997914a1 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/summer/
deckchairs-set-up-on-a-beach.jpg/deckchairs-set-up-on-a-beach.jpg/
metofficegovuk%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-8f642d42-d3cc-4818-a116-430e9686aa40 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/pollen/pollen-
hayfever-family-meadow-summer.jpg/pollen-hayfever-family-meadow-
summer.jpg/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-8f642d42-d3cc-4818-a116-430e9686aa40 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/pollen/pollen-
hayfever-family-meadow-summer.jpg/pollen-hayfever-family-meadow-
summer.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-8f642d42-d3cc-4818-a116-430e9686aa40 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/pollen/pollen-
hayfever-family-meadow-summer.jpg/pollen-hayfever-family-meadow-
summer.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-8f642d42-d3cc-4818-a116-430e9686aa40 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/pollen/pollen-
hayfever-family-meadow-summer.jpg/pollen-hayfever-family-meadow-
summer.jpg/metofficegovuk%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-eb619f07-7bfb-4808-a907-75558a3f9595 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/hail/hail-lying-

```

```

on-the-ground.jpg/hail-lying-on-the-ground.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-eb619f07-7bfb-4808-a907-75558a3f9595 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/hail/hail-lying-
on-the-ground.jpg/hail-lying-on-the-ground.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-eb619f07-7bfb-4808-a907-75558a3f9595 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/hail/hail-lying-
on-the-ground.jpg/hail-lying-on-the-ground.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-eb619f07-7bfb-4808-a907-75558a3f9595 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/hail/hail-lying-
on-the-ground.jpg/hail-lying-on-the-ground.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*/
.preview-block-image-dc2b8ae8-962e-4082-a563-ee5766ea5549 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/pollen/bee-
gathering-pollen-from-a-yellow-flower.jpg/bee-gathering-pollen-from-a-yellow-
flower.jpg/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-dc2b8ae8-962e-4082-a563-ee5766ea5549 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/pollen/bee-
gathering-pollen-from-a-yellow-flower.jpg/bee-gathering-pollen-from-a-yellow-
flower.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-dc2b8ae8-962e-4082-a563-ee5766ea5549 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/pollen/bee-
gathering-pollen-from-a-yellow-flower.jpg/bee-gathering-pollen-from-a-yellow-
flower.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {

```

```

.preview-block-image-dc2b8ae8-962e-4082-a563-ee5766ea5549 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/pollen/bee-
gathering-pollen-from-a-yellow-flower.jpg/bee-gathering-pollen-from-a-yellow-
flower.jpg/metofficegovuk%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<link rel="stylesheet"
href="/webfiles/1658483350597/js/mapping/control/controls/titleControl/
titleControl.css" type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/flood-warnings.css"
type="text/css">
<script>
//
window.metoffice.advertising.addSlotConfiguration("mpu","mpu",false);
//]]&gt;
&lt;/script&gt;
&lt;link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/breaking-news.css"
type="text/css"&gt;
&lt;link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/recent-locations.css"
type="text/css"&gt;
&lt;link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/location-search.css"
type="text/css"&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyRight","skyRight",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyLeft","skyLeft",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("forecastLeader","forecastLe
ader",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.allocateLeaderAdspotSpace = (window.innerWidth
&lt;= 1630 &amp;&amp; window.innerWidth &gt;= 975)?"130px":"0px"
//]]&gt;
&lt;/script&gt;
&lt;link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/homepage.css" type="text/css"&gt;
&lt;meta name="body" data-type="text" class="swifttype" content=""&gt;
</pre>
</div>
```

```

<script src="/webfiles/1658483350597/js/minified/homepage.min.js"></script>
<style>
/**/
.hub-hero-uk {
background-image: url("/public/hero-images/2021/summer/640x491.jpg")
}
@media (min-width: 640px) {
.hub-hero-uk {
background-image: url("/public/hero-images/2021/summer/1280x503.jpg")
}
}
@media (min-width: 1280px) {
.hub-hero-uk {
background-image: url("/public/hero-images/2021/summer/1600x609.jpg")
}
}
@media (min-width: 1600px) {
.hub-hero-uk {
background-image: url("/public/hero-images/2021/summer/2000x786.jpg")
}
}
@media (min-resolution: 2dppx) {
.hub-hero-uk {
background-image: url("/public/hero-images/2021/summer/640x491@2x.jpg")
}
}
@media (min-width: 640px) and (min-resolution: 2dppx) {
.hub-hero-uk {
background-image: url("/public/hero-images/2021/summer/1280x503@2x.jpg")
}
}
@media (min-width: 1280px) and (min-resolution: 2dppx) {
.hub-hero-uk {
background-image: url("/public/hero-images/2021/summer/1600x609@2x.jpg")
}
}
@media (min-width: 1600px) and (min-resolution: 2dppx) {
.hub-hero-uk {
background-image: url("/public/hero-images/2021/summer/2000x786@2x.jpg")
}
}
/*]]&gt;*/
&lt;/style&gt;
&lt;script&gt;
dataLayer = [];
&lt;/script&gt;
</pre>
</div>
<div>
<pre>
&lt;script async=""
src="https://ds-aksb-a.akamaihd.net/aksb.min.js"&gt;&lt;/script&gt;&lt;script&gt;var
w=window;if(w.performance||w.mozPerformance||w.msPerformance||
w.webkitPerformance){var d=document;AKSB=w.AKSB||[],AKSB.q=AKSB.q||
[],AKSB.mark=AKSB.mark||function(e,_){AKSB.q.push(["mark",e,_](new
Date).getTime())},AKSB.measure=AKSB.measure||function(e,_t)
{AKSB.q.push(["measure",e,_t](new
</pre>
</div>
```

```

Date).getTime())},AKSB.done=AKSB.done||function(e)
{AKSB.q.push(["done",e]),AKSB.mark("firstbyte",(new
Date).getTime()),AKSB.prof={custid:"91423",ustr:"",originlat:"0",clientrtt:"37",gh
ostip:"23.55.59.231",ipv6:false,pct:"10",clientip:"185.69.145.233",requestid:"12d
9d75c",region:"25522",protocol:"h2",blver:14,akM:"a",akN:"ae",akTT:"O",akTX:"1
",akTI:"12d9d75c",ai:"251812",ra:"false",pmgn:"",pmgi:"",pmp:"",qc:""},function(
e){var _=d.createElement("script");_.async="async",_.src=e;var
t=d.getElementsByTagName("script"),t=t[t.length-
1];t.parentNode.insertBefore(_,t)}
(("https:"===d.location.protocol?"https:":"http:")+"//ds-aksb-a.akamaihd.net/
aksb.min.js")}</script>
<script src="https://cc.cdn.civiccomputing.com/9/cookieControl-
9.6.1.min.js" integrity="sha384-
aqvfY6jjZz7P1H3oZsg8o0LwTPPzfe8oAUERj960teK4rPG++iAX5l5gyu0iEzf"
crossorigin="anonymous"></script><style>.ccc-disable-scroll{overflow-
y:scroll;position:fixed}#ccc{font-family:Arial,sans-serif;font-size:16px;line-
height:1.4em;position:fixed;z-index:2147483647}#ccc-
icon{background:transparent;border:0;bottom:0;cursor:pointer;height:80px;padd-
ing:0;position:fixed;width:80px;z-index:20}#ccc-icon.ccc-icon--left{left:0}#ccc-
icon.ccc-icon--right{right:0}#ccc-icon.ccc-icon--dark{fill:#000025}#ccc-
icon.ccc-icon--dark #star path{fill:#fff}#ccc-icon.ccc-icon--light{fill:#555}#ccc-
icon.ccc-icon--light #star path{fill:#f4f4f4}#ccc-overlay{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:fade-in;animation-
name:fade-in;-webkit-backface-visibility:hidden;backface-
visibility:hidden;background:rgba(0,0,0,.4);bottom:0;left:0;opacity:1;perspective:
0;position:fixed;right:0;top:0;will-change:opacity;z-index:1}#ccc-
module{height:100%;position:fixed;width:100%;z-index:2}#ccc-module.ccc-
module--slideout{bottom:0;max-width:520px;top:0;width:90%}#ccc-module.ccc-
module--slideout.ccc-module--left{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-right;animation-name:slide-right;left:0}#ccc-
module.ccc-module--slideout.ccc-module--right{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:slide-left;animation-
name:slide-left;right:0}#ccc-content{box-sizing:border-
box;height:100%;overflow-
y:auto;padding:24px;position:absolute;width:100%}.ccc-content--
dark{fill:#fff;background-color:#313147;color:#fff}.ccc-content--
light{fill:#333;background-color:#f4f4f4;color:#333}#ccc-close{align-
items:center;background-
color:transparent;border:0;cursor:pointer;display:flex;padding:0!
important;position:absolute;right:16px;top:16px;z-index:10}#ccc-title,.ccc-
title{font-size:1.2em;font-weight:700;line-height:1.5em;margin:0;padding-
right:32px;text-align:left}#ccc #ccc-recommended-
settings{clear:both;float:none;margin-left:0}#ccc h2,#ccc h3{font-
weight:700;margin:0;padding-right:120px}#ccc h2,#ccc h3,#ccc p,.ccc-
intro{font-size:1em;line-height:1.5em;text-align:left}#ccc p,.ccc-intro{font-
weight:400;margin:1em 0}#ccc hr{border:0;height:1px;margin:24px
0;opacity:.25}#ccc .ccc-svg-element{display:inline-block;height:16px;margin-
left:8px;position:relative;top:6px;width:16px}#ccc .ccc-content--dark
hr{background-color:#fff}#ccc .ccc-content--dark a,#ccc .ccc-content--dark
h1,#ccc .ccc-content--dark h2,#ccc .ccc-content--dark h3,#ccc .ccc-content--
dark p,#ccc .ccc-content--dark span{fill:#fff;color:#fff}#ccc .ccc-content--light

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hr{background-color:#333}#ccc .ccc-content--light a,#ccc .ccc-content--light
h1,#ccc .ccc-content--light h2,#ccc .ccc-content--light h3,#ccc .ccc-content--
light p,#ccc .ccc-content--light span{fill:#333;color:#333}#ccc .optional-
cookie{position:relative}.checkbox-
toggle{margin:0;position:absolute;right:0;top:-3px}#ccc .checkbox-toggle-
input{bottom:0;display:block;height:100%;left:0;margin:0;opacity:0;padding:0;p
osition:absolute;right:0;top:0;width:100%;z-index:1}#ccc .checkbox-toggle--
checkbox{border:2px solid #fff;border-radius:4px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-
label{display:block;height:24px;width:24px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-off,#ccc .checkbox-toggle--checkbox .checkbox-
toggle-on{display:none}#ccc .checkbox-toggle--checkbox .checkbox-toggle-
toggle{border-
radius:4px;display:block;height:100%;position:relative;width:100%}#ccc .checkb
ox-toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border:solid
#fff;border-width:0 3px 3px
0;content:"";height:10px;left:9px;position:absolute;top:5px;transform:rotate(45d
eg);width:5px}#ccc .checkbox-toggle--slider{border:4px solid #fff;border-
radius:50px}#ccc .checkbox-toggle--slider .checkbox-toggle-
label{cursor:pointer;display:flex;margin:0;z-index:1}#ccc .checkbox-toggle--
slider .checkbox-toggle-off,#ccc .checkbox-toggle--slider .checkbox-toggle-
on{flex:1;flex-basis:50%;font-size:.75em;font-weight:700;min-
width:40px;padding:0 6px;text-align:center;white-space:nowrap;width:50%;z-
index:2}#ccc .checkbox-toggle--slider .checkbox-toggle-
off{opacity:.65}#ccc .checkbox-toggle--slider .checkbox-toggle-
toggle{background-color:#000;border-
radius:50px;cursor:pointer;display:block;height:100%;left:0;position:absolute;top
:0;transition:all .4s ease;width:50%;z-index:3}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{left:50%}#ccc .checkbox-toggle--
slider.checkbox-toggle--dark{background-color:#111125;border-
color:#111125}#ccc .checkbox-toggle--checkbox.checkbox-toggle--
dark{background-color:#111125;border-color:#fff}#ccc .checkbox-toggle--
dark .checkbox-toggle-toggle{background-color:#2f2f5f}#ccc .checkbox-toggle--
light{background-color:#555;border-color:#555}#ccc .checkbox-toggle--
light .checkbox-toggle-toggle{background-color:#000}#ccc .checkbox-toggle--
light .checkbox-toggle-on,#ccc .checkbox-toggle--slider.checkbox-toggle--
light .checkbox-toggle-off{color:#fff}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{background-color:#fff}#ccc .ccc-
alert{border-radius:8px;margin:24px 0;padding:16px}#ccc .ccc-alert-title{align-
items:center;display:flex;padding:0}#ccc .ccc-alert-icon{display:inline-
block;flex-shrink:0;height:30px;margin:0 8px 0 0;width:30px}#ccc .ccc-alert-
break{margin:12px 0}.third-party-cookie-link{align-
items:center;display:flex;margin:16px 0}.third-party-cookie-name{font-
size:1em;font-weight:700}.third-party-cookie-icon{display:inline-
block;height:16px;margin-left:16px;width:16px}#ccc .ccc-content--dark .ccc-
alert{fill:#fff;background:#111125;color:#fff}#ccc .ccc-content--dark .third-
party-cookie-link{background:#111125;color:#fff}#ccc .ccc-content--light .ccc-
alert,#ccc .ccc-content--light .third-party-cookie-link{background:#eaeaea}#ccc
.ccc-module--popup{-webkit-animation-duration:.4s;animation-duration:.4s;-
webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-
animation-name:slide-up;animation-name:slide-
up;bottom:0;left:0;opacity:1;right:0;top:0}#ccc .ccc-module--popup #ccc-
content{border-radius:12px;height:90%;left:50%;max-height:600px;max-
width:600px;top:50%;transform:translate(-50%,-50%);width:90%}#ccc .ccc-
```

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notify-box-dismiss{display:none!important}@media (min-width:600px){#ccc
#ccc-notify.ccc-notify__box{-webkit-animation-duration:.8s;animation-
duration:.8s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:box-slide-up;animation-name:box-slide-up;border-
radius:12px;box-sizing:border-box;flex-direction:column;height:90%;justify-
content:space-around;left:50%;max-height:240px;max-
width:480px;opacity:1;padding:32px 64px;top:50%;transform:translate(-50%,-
50%);width:90%}#ccc .ccc-notify-box-dismiss{display:block!
important;position:absolute!important;right:16px!important;top:16px!
important}}#ccc #ccc-notify{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-up;animation-name:slide-up;border-
radius:0;bottom:0;display:flex;flex-direction:column;height:auto;justify-
content:space-between;left:0;margin:0;min-
height:48px;opacity:1;overflow:hidden;padding:16px;position:fixed;right:0;z-
index:30}.ccc-notify-text h1{font-size:1em;font-weight:700;line-
height:1.5em;margin:0;padding-right:120px;text-align:left}#ccc #ccc-notify.ccc-
notify__top{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-
animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-
name:slide-down;animation-name:slide-down;bottom:auto;top:0}#ccc #ccc-
notify h3{padding:0}#ccc #ccc-notify p{font-
size:.9em;margin:0;opacity:.8}#ccc .ccc-notify-buttons{margin-
top:16px;padding-right:24px;position:relative}#ccc .ccc-notify-
button{background:transparent;border:2px solid;border-
radius:4px;cursor:pointer;font-size:1em;font-weight:400;line-
height:1.5em;margin:4px 8px 16px 0;padding:8px 16px!important}#ccc #ccc-
notify-dismiss{background-
color:transparent;border:0;cursor:pointer;display:inline-
flex;height:24px;padding:0!important;position:absolute;right:0;top:-
4px;width:24px}@media (min-width:400px){#ccc #ccc-notify-
dismiss{position:relative;right:auto}#ccc .ccc-notify-buttons{padding-
right:0}}@media (min-width:1020px){#ccc #ccc-notify{align-items:center;flex-
direction:row}#ccc .ccc-notify-text{margin-right:16px}#ccc .ccc-notify-
buttons{flex-shrink:0;white-space:nowrap}}@media (min-width:1200px){#ccc
#ccc-notify{font-size:16px;padding:16px 100px;z-index:10}}#ccc .ccc-content--
dark #ccc-notify,#ccc .ccc-content--dark #ccc-notify span{fill:#fff;background-
color:#313147;color:#fff}#ccc .ccc-content--dark .ccc-notify-button,#ccc .ccc-
content--dark .ccc-notify-button span{border-color:#fff;color:#fff}#ccc .ccc-
content--dark .ccc-button-solid,#ccc .ccc-content--dark .ccc-button-solid
span{background:#fff;color:#111125;font-weight:700}.ccc-notify-link{border:0!
important;text-decoration:underline}#ccc .ccc-content--light #ccc-
notify,#ccc .ccc-content--light #ccc-notify
span{fill:#000;background:#f4f4f4;color:#000}#ccc .ccc-content--light .ccc-
notify-button,#ccc .ccc-content--light .ccc-notify-button span{border-
color:#000;color:#000}#ccc .ccc-content--light .ccc-button-solid,#ccc .ccc-
content--light .ccc-button-solid span{background:#000;color:#fff;font-
weight:700}.ccc-info-link{font-size:.8em;font-weight:700;text-
decoration:none}.ccc-info-link .svg-element{height:14px;margin-
left:6px;width:14px}#ccc .ccc-module--slideout .ccc-
info{height:100px}#ccc[popup] .ccc-info{height:40px}@media
print{#ccc{display:none!important}}#ccc-close-label{display:block;font-
size:16px}#ccc .ccc-panel--indent #ccc-title{padding-right:180px}#ccc-
close.ccc-close--labelled{padding:8px!important;right:0;top:0}#ccc-content.ccc-
content--light #ccc-close.ccc-close--labelled{background-color:#eaeaea}#ccc-

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content.ccc-content--dark #ccc-close.ccc-close--labelled{background-
color:#111125}#ccc-end{margin:16px 0 32px}#ccc-dismiss-
button{display:block}#ccc .ccc-content--highlight .ccc-link.ccc-
tabbable:focus{filter:invert(100%);padding:8px}#ccc .ccc-content--highlight.ccc-
content--light .ccc-link.ccc-tabbable:focus{background-color:#eaeaea!
important;border-color:#eaeaea!important}#ccc .ccc-content--highlight.ccc-
content--dark .ccc-link.ccc-tabbable:focus{background-color:#111125!
important;border-color:#111125!important}#ccc .ccc-content--highlight #ccc-
close:focus,#ccc .ccc-content--highlight .ccc-button-solid:focus,#ccc .ccc-
content--highlight .checkbox-toggle-input:focus~.checkbox-toggle-
toggle,#ccc .ccc-content--highlight .third-party-cookie-
link:focus{filter:invert(100%)}#ccc .ccc-content--highlight.ccc-content--
light .ccc-tabbable:focus{box-shadow:0 4px 8px 0 hsla(0,0%,100%,.2),0 6px
20px 0 hsla(0,0%,100%,.2)}#ccc .ccc-content--highlight.ccc-content--dark .ccc-
tabbable:focus{box-shadow:0 4px 8px 0 rgba(0,0,0,.2),0 6px 20px 0
rgba(0,0,0,.2)}#ccc .checkbox-toggle:focus-within{outline:auto}#ccc #ccc-
icon.ccc-icon--no-outline,#ccc .ccc-content--no-outline *,#ccc .ccc-content--no-
outline .ccc-tabbable{outline:none}#ccc .ccc-content--highlight .ccc-
tabbable:active,#ccc .ccc-content--highlight .ccc-tabbable:hover,#ccc .ccc-icon--
highlight:active,#ccc .ccc-icon--highlight:hover{box-shadow:none!
important;filter:none!important}.ccc-
panel{left:24px;position:absolute;right:24px;top:24px}.ccc-
panel.hidden{height:0;opacity:0;overflow:hidden}.ccc-
panel.visible{height:auto;opacity:1;transition:opacity .4s}#ccc .iab-
vendor,#ccc .optional-vendor{margin:0 0 8px}#ccc .optional-vendor{font-
size:.875em}#ccc .optional-vendor-heading{font-weight:700;padding-
left:24px;text-decoration:underline}#ccc .ccc-vendor-reveal{align-
items:center;background:transparent;border:1px dotted;display:flex;font-
size:.875em;opacity:.5;transition:opacity .4s}#ccc .ccc-vendor-reveal:focus,#ccc
.ccc-vendor-reveal:hover{opacity:1}#ccc .ccc-legal-description{margin-
top:1rem}#ccc .ccc-vendor-reveal svg{height:16px;margin-
left:8px;width:16px}#ccc .optional-vendor-warning{align-
items:center;display:flex}#ccc .optional-vendor-warning
svg{height:16px;margin-right:8px;width:16px}#ccc .optional-vendor-
content{padding-left:24px}#ccc .iab-vendor-heading{font-size:.875em;font-
weight:400;text-decoration:underline}#ccc .cmp-button-holder{display:flex;font-
size:.75em;justify-content:space-between}#ccc .cmp-
back{opacity:.5;transition:opacity .4s}#ccc .cmp-back:hover{opacity:1}.ccc-sr-
only{clip:rect(0,0,0,0);border:0;height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}@-webkit-keyframes
fade-in{0%{opacity:0}to{opacity:1}}@keyframes fade-in{0%
{opacity:0}to{opacity:1}}@-webkit-keyframes slide-right{0%
{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-right{0%{transform:translate3d(-
100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-left{0%
{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@-
webkit-keyframes slide-up{0%
{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@keyframes
slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@-
webkit-keyframes box-slide-up{0%{transform:translate3d(-
50%,100%,0)}to{transform:translate3d(-50%,-50%,0)}}@keyframes box-slide-
up{0%{transform:translate3d(-50%,100%,0)}to{transform:translate3d(-50%,-
50%,0)}}@-webkit-keyframes slide-down{0%{transform:translate3d(0,-
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100%,0)}to{transform:translateZ(0)}}@keyframes slide-down{0%
{transform:translate3d(0,-100%,0)}to{transform:translateZ(0)}}#ccc .iab-
object{height:48px;position:relative;width:98%}#ccc .iab-object.iab-object--
vendor{width:85%}#ccc .iab-object .checkbox-
toggle{left:0;right:auto;top:4px}#ccc .iab-object .checkbox-toggle-
label{height:18px;width:18px}#ccc .iab-object .checkbox-toggle--checkbox
input:checked~.checkbox-toggle-toggle:after{border-width:0 2px 2px
0;height:8px;left:7px;top:3px;width:3px}#ccc .iab-object-
label{display:block;font-size:.75em;margin-left:32px}#ccc .vendor-details{font-
size:.75rem;margin-bottom:16px}#ccc .vendor-details h4{margin:.5rem
0}#ccc .ccc-title.ccc-title--iab{margin-bottom:1rem}#ccc .iab-header-
toggle{align-items:center;display:flex;margin-bottom:1rem}#ccc .iab-header-
toggle .ccc-title{margin:0 0 0 16px}#ccc .iab-header-toggle .ccc-vendor-reveal
svg{margin:0}#ccc .iab-vendor-toggle .checkbox-toggle{top:auto}#ccc .iab-
vendor-toggle h3{padding-right:180px}#ccc .iab-disclosure-load{align-
items:center;display:flex}#ccc .iab-disclosure-load button{margin-
right:12px}#ccc .iab-disclosure-load a{text-decoration:none}#ccc .iab-
disclosure-load a>span{position:relative;top:-2px}#ccc .iab-disclosure-load
a>.ccc-svg-element{top:4px}#ccc .iab-disclosure-table{border-
collapse:collapse;margin:2em 0;width:100%}#ccc .iab-disclosure-table
td,#ccc .iab-disclosure-table th{border:1px solid}#ccc .iab-disclosure-table
thead td{border:none}#ccc .ccc-content--dark td,#ccc .ccc-content--dark
th{border-color:#fff}#ccc .iab-disclosure-table dl{display:grid;grid-
template:auto/1fr 1fr;width:150px}#ccc .iab-disclosure-table ul{list-
style:none}#ccc .iab-disclosure-table dl,#ccc .iab-disclosure-table
ul{margin:0;padding:0}#ccc .iab-disclosure-table dd,#ccc .iab-disclosure-table
dt,#ccc .iab-disclosure-table li{border-bottom:1px solid
rgba(0,0,0,.1);margin:0;padding:.3em .5em}#ccc .ccc-content--dark .iab-
disclosure-table dd,#ccc .ccc-content--dark .iab-disclosure-table dt,#ccc .ccc-
content--dark .iab-disclosure-table li{border-bottom:1px solid
hsla(0,0%,100%,.1)}#ccc .ccc-content--dark .iab-disclosure-table li:last-
child{border:none}#ccc .iab-disclosure-table td,#ccc .iab-disclosure-table
th{padding:1em;vertical-align:top}#ccc .iab-disclosure-table tr:nth-child(2n)
{background:rgba(0,0,0,.1)}#ccc .ccc-content--highlight .ccc-
tabbable:hover{outline:auto}</style><style>#ccc,#ccc button{font-family:
fsemeric,arial,san-serif !important;}#ccc #ccc-content,#ccc #ccc-notify
{background-color:#262626 !important;}#ccc h2,#ccc h3{font-size:1.1em !
important;}#ccc #ccc p,#ccc .third-party-cookie-link{font-size:14px !
important;}#ccc #ccc-title{font-size:1.4em !important;}#ccc .checkbox-
toggle-on,#ccc .checkbox-toggle-off{color:#262626 !
important;}#ccc .checkbox-toggle-toggle{background-color:#262626 !
important;}#ccc .checkbox-toggle{background-color:#f5f5f5 !important;
border-color:#f5f5f5 !important;}#ccc .ccc-notify-button.ccc-accept-button,
#ccc .ccc-notify-button.ccc-accept-button span,#ccc .ccc-notify-button.ccc-
close-button,#ccc .ccc-notify-button.ccc-close-button span{color:#262626 !
important;}#ccc .ccc-notify-button.ccc-accept-button,#ccc .ccc-notify-
button.ccc-accept-button span,#ccc .ccc-notify-button.ccc-close-button,
#ccc .ccc-notify-button.ccc-close-button span{background-color:#b9db0c !
important;border-color:#b9db0c !important;}</style></head>
<body class="user-tabbing"><div id="ccc" role="region" aria-label="Cookie
preferences" aria-live="polite" style="z-index:2147483647;"><div id="ccc-
overlay"></div><div id="ccc-module" class="ccc-module--slideout ccc-module--
left" role="dialog" aria-labelledby="ccc-title"><div id="ccc-content" class="ccc-
content--dark"><div id="cc-panel" class="ccc-panel"><h1 id="ccc-title">This

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website uses cookies

The Met Office website uses necessary cookies to make our site work. We also use optional cookies to help us improve your experience, understand how the site is being used for future improvements, and serve personalised advertising.

You can review the third-party vendors and how this information is being used below. You can also customise your consent preferences for cookies and identifying technologies.

Personalised advertising adheres to the [IAB Transparency and Consent Framework \(TCF\)](https://iabeurope.eu/iab-europe-transparency-consent-framework-policies/). (Opens in a new window)

[cookie policy](https://www.metoffice.gov.uk/about-us/legal/cookies). (Opens in a new window)

[Accept All](https://www.metoffice.gov.uk/about-us/legal/cookies) [Reject All](https://www.metoffice.gov.uk/about-us/legal/cookies)

Purposes and vendors

How data is used

Third party vendors

Purposes

Store and/or access information on a device

Cookies, device identifiers, or other information can be stored or accessed on your device for the purposes presented to you.

☒ On

class="checkbox-toggle-off" aria-hidden="true">Off</label></div><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-0" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-purpose"><h3 class="optional-cookie-header">Select basic ads</h3><p><p>Ads can be shown to you based on the content you're viewing, the app you're using, your approximate location, or your device type.</p></p><div class="checkbox-toggle checkbox-toggle--slider checkbox-toggle--dark ccc-tabbable"><label class="checkbox-toggle-label"><input class="checkbox-toggle-input" type="checkbox">purpose 1OnOff</label></div><div class="iab-object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-toggle--dark ccc-tabbable"><div class="checkbox-toggle-label"><input id="object-purpose-1" name="object-purpose-1" aria-describedby="object-purpose-1" class="checkbox-toggle-input" type="checkbox" value="2"></div></div><label class="iab-object-label" for="object-purpose-1">I accept the processing of personal data on the grounds of Legitimate Interest for the purpose:Select basic ads</label></div><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-1" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-purpose"><h3 class="optional-cookie-header">Create a personalised ads profile</h3><p><p>A profile can be built about you and your interests to show you personalised ads that are relevant to you.</p></p><div class="checkbox-toggle checkbox-toggle--slider checkbox-toggle--dark ccc-tabbable"><label class="checkbox-toggle-label"><input class="checkbox-toggle-input" type="checkbox">purpose 2OnOff</label></div><div class="iab-object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-toggle--dark ccc-tabbable"><div class="checkbox-toggle-label"><input id="object-purpose-2" name="object-purpose-2" aria-describedby="object-purpose-2" class="checkbox-toggle-input" type="checkbox" value="3"></div></div><label class="iab-object-label" for="object-purpose-2">I accept the processing of personal data on the grounds of Legitimate Interest for the purpose:Create a personalised ads profile</label></div><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-2" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339

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2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-
hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-
purpose"><h3 class="optional-cookie-header">Select personalised
ads</h3><p><p>Personalised ads can be shown to you based on a profile
about you.</p></p><div class="checkbox-toggle checkbox-toggle--slider
checkbox-toggle--dark ccc-tabbable"><label class="checkbox-toggle-
label"><input class="checkbox-toggle-input" type="checkbox"><span
class="checkbox-toggle-text ccc-sr-only">purpose 3</span><span
class="checkbox-toggle-on" aria-hidden="true">On</span><span
class="checkbox-toggle-off" aria-hidden="true">Off</span><span
class="checkbox-toggle-toggle"></span></label></div><div class="iab-
object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-
toggle--dark ccc-tabbable"><div class="checkbox-toggle-label"><input
id="object-purpose-3" name="object-purpose-3" aria-describedby="object-
purpose-3" class="checkbox-toggle-input" type="checkbox" value="4"><span
class="checkbox-toggle-toggle"></span></div></div><label class="iab-
object-label" for="object-purpose-3"><span>I accept the processing of personal
data on the grounds of Legitimate Interest for the purpose:</span>Select
personalised ads</label></div><button class="ccc-vendor-reveal ccc-legal-
description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-
vendor-3" aria-expanded="false">Read full legal description<svg
xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24
24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339
2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-
hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-
purpose"><h3 class="optional-cookie-header">Create a personalised content
profile</h3><p><p>A profile can be built about you and your interests to show
you personalised content that is relevant to you.</p></p><div
class="checkbox-toggle checkbox-toggle--slider checkbox-toggle--dark ccc-
tabbable"><label class="checkbox-toggle-label"><input class="checkbox-
toggle-input" type="checkbox"><span class="checkbox-toggle-text ccc-sr-
only">purpose 4</span><span class="checkbox-toggle-on" aria-
hidden="true">On</span><span class="checkbox-toggle-off" aria-
hidden="true">Off</span><span
class="checkbox-toggle-toggle"></span></label></div><div class="iab-
object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-
toggle--dark ccc-tabbable"><div class="checkbox-toggle-label"><input
id="object-purpose-4" name="object-purpose-4" aria-describedby="object-
purpose-4" class="checkbox-toggle-input" type="checkbox" value="5"><span
class="checkbox-toggle-toggle"></span></div></div><label class="iab-
object-label" for="object-purpose-4"><span>I accept the processing of personal
data on the grounds of Legitimate Interest for the purpose:</span>Create a
personalised content profile</label></div><button class="ccc-vendor-reveal
ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-
controls="optional-vendor-4" aria-expanded="false">Read full legal
description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24"
viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175
9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr
aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-
purpose"><h3 class="optional-cookie-header">Select personalised
content</h3><p><p>Personalised content can be shown to you based on a
profile about you.</p></p><div class="checkbox-toggle checkbox-toggle--slider
checkbox-toggle--dark ccc-tabbable"><label class="checkbox-toggle-
label"><input class="checkbox-toggle-input" type="checkbox"><span
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class="checkbox-toggle-text ccc-sr-only">purpose 5OnOff</label></div><div class="iab-object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-toggle--dark ccc-tabable"><div class="checkbox-toggle-label"><input id="object-purpose-5" name="object-purpose-5" aria-describedby="object-purpose-5" class="checkbox-toggle-input" type="checkbox" value="6"></div></div><label class="iab-object-label" for="object-purpose-5">I accept the processing of personal data on the grounds of Legitimate Interest for the purpose:Select personalised content</label></div><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabable" aria-controls="optional-vendor-5" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.3312.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-purpose"><h3 class="optional-cookie-header">Measure ad performance</h3><p><p>The performance and effectiveness of ads that you see or interact with can be measured.</p></p><div class="checkbox-toggle checkbox-toggle--slider checkbox-toggle--dark ccc-tabable"><label class="checkbox-toggle-label"><input class="checkbox-toggle-input" type="checkbox">purpose 6OnOff</label></div><div class="iab-object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-toggle--dark ccc-tabable"><div class="checkbox-toggle-label"><input id="object-purpose-6" name="object-purpose-6" aria-describedby="object-purpose-6" class="checkbox-toggle-input" type="checkbox" value="7"></div></div><label class="iab-object-label" for="object-purpose-6">I accept the processing of personal data on the grounds of Legitimate Interest for the purpose:Measure ad performance</label></div><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabable" aria-controls="optional-vendor-6" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.3312.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-purpose"><h3 class="optional-cookie-header">Measure content performance</h3><p><p>The performance and effectiveness of content that you see or interact with can be measured.</p></p><div class="checkbox-toggle checkbox-toggle--slider checkbox-toggle--dark ccc-tabable"><label class="checkbox-toggle-label"><input class="checkbox-toggle-input" type="checkbox">purpose 7OnOff</label></div><div class="iab-object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-toggle--dark ccc-tabable"><div class="checkbox-toggle-label"><input

id="object-purpose-7" name="object-purpose-7" aria-describedby="object-purpose-7" class="checkbox-toggle-input" type="checkbox" value="8"></div></div><label class="iab-object-label" for="object-purpose-7">I accept the processing of personal data on the grounds of Legitimate Interest for the purpose:Measure content performance</label></div><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-7" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-purpose"><h3 class="optional-cookie-header">Apply market research to generate audience insights</h3><p><p>Market research can be used to learn more about the audiences who visit sites/apps and view ads.</p></p><div class="checkbox-toggle checkbox-toggle--slider checkbox-toggle--dark ccc-tabbable"><label class="checkbox-toggle-label"><input class="checkbox-toggle-input" type="checkbox">purpose 8OnOff</label></div><div class="iab-object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-toggle--dark ccc-tabbable"><div class="checkbox-toggle-label"><input id="object-purpose-8" name="object-purpose-8" aria-describedby="object-purpose-8" class="checkbox-toggle-input" type="checkbox" value="9"></div></div><label class="iab-object-label" for="object-purpose-8">I accept the processing of personal data on the grounds of Legitimate Interest for the purpose:Apply market research to generate audience insights</label></div><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-8" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-purpose"><h3 class="optional-cookie-header">Develop and improve products</h3><p><p>Your data can be used to improve existing systems and software, and to develop new products</p></p><div class="checkbox-toggle checkbox-toggle--slider checkbox-toggle--dark ccc-tabbable"><label class="checkbox-toggle-label"><input class="checkbox-toggle-input" type="checkbox">purpose 9OnOff</label></div><div class="iab-object"><div class="checkbox-toggle checkbox-toggle--checkbox checkbox-toggle--dark ccc-tabbable"><div class="checkbox-toggle-label"><input id="object-purpose-9" name="object-purpose-9" aria-describedby="object-purpose-9" class="checkbox-toggle-input" type="checkbox" value="10"></div></div><label class="iab-object-label" for="object-purpose-9">I accept the processing of personal data on the grounds of Legitimate Interest for the purpose:Develop and improve products</label></div><button class="ccc-vendor-reveal ccc-legal-

description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-9" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div></div><div id="iab-special-purpose"><h2 class="ccc-title ccc-title--iab">Special Purposes</h2><hr aria-hidden="true" style="opacity: 0.1;"><div class="optional-cookie optional-cookie--iab iab-special-purpose"><h3 class="optional-cookie-header">Ensure security, prevent fraud, and debug</h3><p><p>Your data can be used to monitor for and prevent fraudulent activity, and ensure systems and processes work properly and securely.</p></p><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-0" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-special-purpose"><h3 class="optional-cookie-header">Technically deliver ads or content</h3><p><p>Your device can receive and send information that allows you to see and interact with ads and content.</p></p><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-1" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div></div><div id="iab-feature"><h2 class="ccc-title ccc-title--iab">Features</h2><hr aria-hidden="true" style="opacity: 0.1;"><div class="optional-cookie optional-cookie--iab iab-feature"><h3 class="optional-cookie-header">Match and combine offline data sources</h3><p><p>Data from offline data sources can be combined with your online activity in support of one or more purposes</p></p><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-0" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-feature"><h3 class="optional-cookie-header">Link different devices</h3><p><p>Different devices can be determined as belonging to you or your household in support of one or more of purposes.</p></p><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-1" aria-expanded="false">Read full legal description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-feature"><h3 class="optional-cookie-header">Receive and use automatically-sent device characteristics for identification</h3><p><p>Your device might be distinguished from other devices based on information it automatically sends, such as IP address or browser type.</p></p><button class="ccc-vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-controls="optional-vendor-2" aria-

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expanded="false">Read full legal description<svg
xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24
24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175 9.339 9.167-9.339
2.829 2.83-11.996 12.17z"></path></svg></button><hr aria-
hidden="true"></div></div><div id="iab-specialFeatureOptins"><h2
class="ccc-title ccc-title--iab">Special Features</h2><hr aria-hidden="true"
style="opacity: 0.1;"><div class="optional-cookie optional-cookie--iab iab-
specialFeatureOptins"><h3 class="optional-cookie-header">Use precise
geolocation data</h3><p><p>Your precise geolocation data can be used in
support of one or more purposes. This means your location can be accurate to
within several meters.</p></p><div class="checkbox-toggle checkbox-toggle--
slider checkbox-toggle--dark ccc-tabbable"><label class="checkbox-toggle-
label"><input class="checkbox-toggle-input" type="checkbox"><span
class="checkbox-toggle-text ccc-sr-only">specialFeatureOptins 0</span><span
class="checkbox-toggle-on" aria-hidden="true">On</span><span
class="checkbox-toggle-off" aria-hidden="true">Off</span><span
class="checkbox-toggle-toggle"></span></label></div><button class="ccc-
vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-
controls="optional-vendor-0" aria-expanded="false">Read full legal
description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24"
viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175
9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr
aria-hidden="true"></div><div class="optional-cookie optional-cookie--iab iab-
specialFeatureOptins"><h3 class="optional-cookie-header">Actively scan
device characteristics for identification</h3><p><p>Your device can be
identified based on a scan of your device's unique combination of
characteristics.</p></p><div class="checkbox-toggle checkbox-toggle--slider
checkbox-toggle--dark ccc-tabbable"><label class="checkbox-toggle-
label"><input class="checkbox-toggle-input" type="checkbox"><span
class="checkbox-toggle-text ccc-sr-only">specialFeatureOptins 1</span><span
class="checkbox-toggle-on" aria-hidden="true">On</span><span
class="checkbox-toggle-off" aria-hidden="true">Off</span><span
class="checkbox-toggle-toggle"></span></label></div><button class="ccc-
vendor-reveal ccc-legal-description ccc-notify-button ccc-link ccc-tabbable" aria-
controls="optional-vendor-1" aria-expanded="false">Read full legal
description<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24"
viewBox="0 0 24 24" aria-hidden="true"><path d="M0 7.33l2.829-2.83 9.175
9.339 9.167-9.339 2.829 2.83-11.996 12.17z"></path></svg></button><hr
aria-hidden="true"></div></div><div id="ccc-end"><button id="ccc-dismiss-
button" class="ccc-notify-button ccc-button-solid ccc-tabbable ccc-close-
button"><span>Save Preferences and Exit</span></button></div><div
id="ccc-info" class="ccc-info"></div></div></div></div></div>
<script src="/webfiles/1658483350597/js/common/set-body-class.js"></script>
<script src="/webfiles/1658483350597/js/common/run-ab-test.js"></script>
<div id="lead-ad-spacer" style="min-height: 0px;"></div>
<script>
let leadAdSpacer= document.getElementById("lead-ad-spacer");
leadAdSpacer.style.minHeight =
window.metoffice.advertising.allocateLeaderAdspotSpace;
</script>
<header id="header">
<div id="skiplink-container" tabindex="0">
<a href="#content" id="skiplink" class="skiplink">Skip to main content</a>
</div>

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<div class="upper">
<div class="upper-container container row middle-xs">
<div class="logo col-xs-6 col-sm-8 col-lg-2">
<a href="/"></a>
</div>
<div class="col-xs-6 col-sm-4 hide-lg no-js-hide menu-button">
<button class="mobile-settings" data-settings-control="true"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span>
</button>
<button id="menu-button" aria-haspopup="true" aria-controls="lower-
container">Menu</button>
</div>
<nav aria-label="first level" class="top-menu has-edit-button col-lg-10 show-lg
hide-sm hide-xs">
<ul id="top-level-menu">
<li><a href="/weather" data-topmenu-id="0" aria-controls="menu0" aria-
expanded="true">Weather & climate</a></li>
<li><a href="/research" data-topmenu-id="1" aria-controls="menu1">Research
programmes</a></li>
<li><a href="/services" data-topmenu-id="2" aria-
controls="menu2">Services</a></li>
<li><a href="/about-us" data-topmenu-id="3" aria-controls="menu3">About
us</a></li>
</ul>
</nav>
</div>
</div>
<div class="lower">
<div id="lower-container" class="lower-container container row middle-lg" data-
nav="false" data-second-nav="false" data-search="false">
<div class="logo-container">
<div class="logo col-xs-8 col-lg-2">
<a id="menu-open-logo" href="/"><span class="mo-logo">Met
Office</span></a>
</div>
<div class="menu-button col-xs-4 hide-lg no-js-hide">
<button id="close-menu-button" type="button" value="Close" aria-
controls="lower-container" aria-label="Close menu" title="Close menu">
<span class="icon" data-type="global" data-value="close" aria-
hidden="true"></span>
</button>
</div>
</div>
<form id="site-search-form" class="search-form col-xs-12" role="search"
action="/search" method="get">
<label for="site-search-input" class="off-screen no-js-hide">Search site</label>
<input id="site-search-input" type="search" class="col-sm-11"
placeholder="Search" name="query" autocomplete="off" required="">
<button type="submit" tabindex="-1" value="Search" title="Search" class="col-
sm-1 col-lg-offset-0">
```

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<span class="icon" data-type="global" data-value="search">Search</span>
</button>
<button id="close-search-button" type="button" title="Close" value="Close"
class="no-js-hide">
<span class="icon" data-type="global" data-value="close">x</span>
</button>
</form> <div class="third-level-back col-xs-12 col-lg-12 col-lg-offset-0">
<span id="third-level-back" class="row middle-xs" role="button" tabindex="0"
aria-label="Back to second level menu">

<span>Back</span>
</span>
</div>
<nav aria-label="second level" id="secondary-nav" class="main-menu col-xs-12
col-sm-12 col-lg-11 col-lg-offset-0 no-js-show">
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="0" data-toggle="true"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-0" href="/weather" class="selected">
<div>
<span class="menu-link-text">Weather & climate</span>
<div id="menu-desc-0" class="menu-desc hide-lg">
<span>Everything you need to know about the forecast, and making the most of
the weather.</span>
</div>
</div>

</a>
</div>
<ul id="menu0" data-submenu-id="0" data-toggle="true">
<li class="selected">
<a href="/" data-index="0">
Find a forecast

</a>
</li>
<li data-children="true">
<a href="/weather/warnings-and-advice" aria-haspopup="true" aria-
controls="menu0Sub1" data-index="1">
Warnings & advice

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Warnings & advice</div>
<ul id="menu0Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
```

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</li>
<a href="/weather/warnings-and-advice/uk-warnings" data-index="0">
UK weather warnings

</a>
</li>
<li>
<a href="/weather/warnings-and-advice/uk-storm-centre/index" data-
index="1">
UK Storm Centre

</a>
</li>
<li>
<a class="last" href="/weather/warnings-and-advice/seasonal-advice" data-
index="2">
Seasonal advice

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" aria-
haspopup="true" aria-controls="menu0Sub2" data-index="2">
Maps & charts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Maps & charts</div>
<ul id="menu0Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" data-
index="0">
UK weather map

</a>
</li>
<li>
```

[>](https://www.metoffice.gov.uk/weather/maps-and-charts/rainfall-radar-forecast-map)

New map beta

[!\[\]\(d84e7ea36f695d92cb39ec32c307ac93_img.jpg\)New map beta](#)

[>](https://www.metoffice.gov.uk/public/weather/observation/rainfall-radar)

UK rainfall radar

[!\[\]\(2b376d1a92330ab09dad2665d2f89bf5_img.jpg\)UK rainfall radar](#)

[>](/weather/forecast/uk)

UK forecast

[!\[\]\(274fd520e03b61c1b9ffc861754cacdc_img.jpg\)UK forecast](#)

[>](/weather/maps-and-charts/surface-pressure)

Surface pressure charts

[!\[\]\(465772ce2fc0e39b7001e2580b915cc2_img.jpg\)Surface pressure charts](#)

[>](/weather/world/list)

All countries

[!\[\]\(f8f63333e9701d869b3a17c610b5636e_img.jpg\)All countries](#)

</div>

</nav>

<li data-children="true">

[>](/weather/climate)

Climate

[!\[\]\(b62f483b07ba964c551c0a2667f92c37_img.jpg\)Climate](#)

<nav aria-label="third level" class="third-level" data-toggle="false">

```
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate</div>
<ul id="menu0Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/climate/climate-explained/index" data-index="0">
Climate explained

</a>
</li>
<li>
<a href="/weather/climate-change/what-is-climate-change" data-index="1">
What is climate change?

</a>
</li>
<li>
<a href="/weather/climate-change/causes-of-climate-change" data-index="2">
Causes of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/effects-of-climate-change" data-index="3">
Effects of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/climate-change-questions" data-index="4">
Climate change questions

</a>
</li>
<li>
<a href="/weather/climate/uk-climate" data-index="5">
UK climate

</a>
</li>
<li>
<a href="/weather/climate/science" data-index="6">
```


Climate science

Organisations and reports

</div>

</nav>

<li data-children="true">

Specialist forecasts

<nav aria-label="third level" class="third-level" data-toggle="false">

<div class="third-level-inner row">

<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Specialist forecasts</div>

<ul id="menu0Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">

Coast and Sea

Mountain

Space Weather

```

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/learn-about" aria-haspopup="true" aria-
controls="menu0Sub5" data-index="5">
Learn about...

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Learn about...</div>
<ul id="menu0Sub5" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/learn-about/past-uk-weather-events" data-index="0">
Past UK weather events

</a>
</li>
<li>
<a href="/weather/learn-about/weather" data-index="1">
Weather

</a>
</li>
<li>
<a href="/weather/learn-about/how-forecasts-are-made" data-index="2">
How forecasts are made

</a>
</li>
<li>
<a class="last" href="/weather/learn-about/met-office-for-schools" data-
index="3">
Met Office for Schools

</a>
```

```
</li>
</ul>
</div>
</nav>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="1" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-1" href="/research">
<div>
<span class="menu-link-text">Research programmes</span>
<div id="menu-desc-1" class="menu-desc hide-lg">
<span>The latest breakthroughs, research and news from the Met
Office.</span>
</div>
</div>

</a>
</div>
<ul id="menu1" data-submenu-id="1" data-toggle="false">
<li data-children="true">
<a href="/research/approach/index" aria-haspopup="true" aria-
controls="menu1Sub0" data-index="0">
Our approach

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Our approach</div>
<ul id="menu1Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/approach/overview" data-index="0">
Overview by our Chief Scientist

</a>
</li>
<li>
<a href="/research/approach/how-met-office-science-is-reviewed" data-
index="1">
How Met Office science is reviewed

</a>
</li>
</ul>
</div>
</div>
</div>
</div>
```

```
<li>
<a href="/research/approach/collaboration" data-index="2">
Collaboration

</a>
</li>
<li>
<a href="/research/approach/modelling-systems" data-index="3">
Modelling systems

</a>
</li>
<li>
<a href="/research/approach/monitoring" data-index="4">
Monitoring

</a>
</li>
<li>
<a class="last" href="/research/approach/our-scientists/people" data-
index="5">
Our scientists

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/weather" aria-haspopup="true" aria-controls="menu1Sub1"
data-index="1">
Weather science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Weather science</div>
<ul id="menu1Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/weather/atmospheric-dispersion" data-index="0">
Atmospheric dispersion and air quality
```

```

</a>
</li>
<li>
<a href="/research/weather/data-assimilation" data-index="1">
Data assimilation

</a>
</li>
<li>
<a href="/research/weather/ensemble-forecasting" data-index="2">
Ensemble forecasting

</a>
</li>
<li>
<a href="/research/weather/observations-research" data-index="3">
Observations research and development

</a>
</li>
<li>
<a href="/research/weather/ocean-forecasting" data-index="4">
Ocean forecasting

</a>
</li>
<li>
<a href="/research/weather/research-to-operations" data-index="5">
Research to operations

</a>
</li>
<li>
<a href="/research/weather/satellite-applications" data-index="6">
Satellite applications

</a>
</li>
</li>
```

```
<a href="/research/weather/verification-impacts-and-post-processing" data-
index="7">
Verification, impacts and post-processing

</a>
</li>
<li>
<a class="last" href="/research/weather/weather-science-it" data-index="8">
Weather science IT

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/climate" aria-haspopup="true" aria-controls="menu1Sub2"
data-index="2">
Climate science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate science</div>
<ul id="menu1Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/climate/cryosphere-oceans" data-index="0">
Climate, cryosphere and oceans

</a>
</li>
<li>
<a href="/research/climate/climate-impacts" data-index="1">
Climate impacts

</a>
</li>
<li>
<a href="/research/climate/climate-monitoring/index" data-index="2">
Climate monitoring and attribution
```

```

</a>
</li>
<li>
<a href="/research/climate/earth-system-science" data-index="3">
Earth system science

</a>
</li>
<li>
<a href="/research/climate/seasonal-to-decadal" data-index="4">
Monthly to decadal prediction

</a>
</li>
<li>
<a href="/research/climate/maps-and-data" data-index="5">
UK climate maps and data

</a>
</li>
<li>
<a class="last" href="/research/climate/understanding-climate" data-
index="6">
Understanding climate change

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/applied" aria-haspopup="true" aria-controls="menu1Sub3"
data-index="3">
Applied science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Applied science</div>
```

```
<ul id="menu1Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/applied/aviation" data-index="0">
Aviation applications

</a>
</li>
<li>
<a href="/research/applied/international" data-index="1">
Climate information for international development

</a>
</li>
<li>
<a href="/research/applied/climate-security" data-index="2">
Climate security

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="3">
Climate services

</a>
</li>
<li>
<a href="/research/applied/defence" data-index="4">
Defence applications

</a>
</li>
<li>
<a href="/research/applied/post-processing" data-index="5">
Post-processing applications

</a>
</li>
<li>
<a href="/research/applied/science-for-impacts-resilience-and-adaptation" data-
index="6">
Science for Impacts, Resilience and Adaptation (SIRA)
```



```

</a>
</li>
<li>
<a class="last" href="/research/applied/science-health-strategy" data-
index="7">
Science health strategy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/foundation" aria-haspopup="true" aria-
controls="menu1Sub4" data-index="4">
Foundation science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Foundation science</div>
<ul id="menu1Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/foundation/parametrizations" data-index="0">
Atmospheric processes and parametrizations

</a>
</li>
<li>
<a href="/research/foundation/dynamics" data-index="1">
Dynamic research

</a>
</li>
<li>
<a href="/research/foundation/global-modelling" data-index="2">
Global modelling

</a>
```

```
</li>
<li>
<a href="/research/foundation/informatics-lab/index" data-index="3">
Informatics Lab

</a>
</li>
<li>
<a href="/research/foundation/observational-studies" data-index="4">
Observation-based research

</a>
</li>
<li>
<a class="last" href="/research/foundation/regional-model-evaluation-and-
development/index" data-index="5">
Regional model evaluation and development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/research/library-and-archive" data-index="5">
Library

</a>
</li>
<li>
<a href="/research/news" data-index="6">
News

</a>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="2" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-2" href="/services">
<div>
<span class="menu-link-text">Services</span>
```

```
<div id="menu-desc-2" class="menu-desc hide-lg">
<span>Support your business with world-leading science and
technology.</span>
</div>
</div>

</a>
</div>
<ul id="menu2" data-submenu-id="2" data-toggle="false">
<li data-children="true">
<a href="/services/government" aria-haspopup="true" aria-
controls="menu2Sub0" data-index="0">
Government

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Government</div>
<ul id="menu2Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/government/defence-and-security" data-index="0">
Defence and security

</a>
</li>
<li>
<a href="/services/government/devolved-administrations" data-index="1">
Devolved administrations

</a>
</li>
<li>
<a href="/services/government/environmental-hazard-resilience" data-
index="2">
Environmental Hazard and Resilience Services

</a>
</li>
<li>
<a class="last" href="/services/government/international-development" data-
index="3">
International development
```

```

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/transport" aria-haspopup="true" aria-controls="menu2Sub1"
data-index="1">
Transport

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Transport</div>
<ul id="menu2Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/transport/aviation/commercial" data-index="0">
Aviation commercial

</a>
</li>
<li>
<a href="/services/transport/aviation/regulated" data-index="1">
Aviation regulated

</a>
</li>
<li>
<a href="/services/transport/cav" data-index="2">
CAV

</a>
</li>
<li>
<a href="/services/transport/marine" data-index="3">
Marine

</a>
</li>
```

```
</li>
<a href="/services/transport/rail" data-index="4">
Rail

</a>
</li>
<li>
<a class="last" href="/services/transport/road" data-index="5">
Road

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/business-industry" aria-haspopup="true" aria-
controls="menu2Sub2" data-index="2">
Business & industry

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Business & industry</div>
<ul id="menu2Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/business-industry/agriculture" data-index="0">
Agriculture

</a>
</li>
<li>
<a href="/services/business-industry/construction" data-index="1">
Construction

</a>
</li>
<li>
<a href="/services/business-industry/energy" data-index="2">
Energy
```

```

</a>
</li>
<li>
<a href="/services/business-industry/event-management" data-index="3">
Event management

</a>
</li>
<li>
<a href="/services/business-industry/legal-insurance" data-index="4">
Legal and insurance

</a>
</li>
<li>
<a href="/services/business-industry/media" data-index="5">
Media

</a>
</li>
<li>
<a href="/services/business-industry/mining" data-index="6">
Mining

</a>
</li>
<li>
<a href="/services/business-industry/retail" data-index="7">
Retail

</a>
</li>
<li>
<a class="last" href="/services/business-industry/water" data-index="8">
Water

</a>
</li>
</ul>
```

```
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/data" aria-haspopup="true" aria-controls="menu2Sub3"
data-index="3">
Data

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Data</div>
<ul id="menu2Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a class="last" href="/services/data" data-index="0">
Weather and climate data

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/research-consulting" aria-haspopup="true" aria-
controls="menu2Sub4" data-index="4">
Research & consulting

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Research & consulting</div>
<ul id="menu2Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/research-consulting/access-a-meteorologist" data-
index="0">
Access a meteorologist

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="1">
Climate service
```

```

</a>
</li>
<li>
<a href="/services/research-consulting/international-programmes" data-
index="2">
International programmes

</a>
</li>
<li>
<a class="last" href="/services/research-consulting/weather-climate-
consultancy" data-index="3">
Weather and climate consultancy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/services/insights" data-index="5">
Insights

</a>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="3" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-3" href="/about-us">
<div>
<span class="menu-link-text">About us</span>
<div id="menu-desc-3" class="menu-desc hide-lg">
<span>Who we are, what we do and organisational news.</span>
</div>
</div>

</a>
</div>
<ul id="menu3" data-submenu-id="3" data-toggle="false">
<li>
```



```
<a href="/about-us/who" data-index="0">
Who we are

</a>
</li>
<li data-children="true">
<a href="/about-us/supplying-the-met-office" aria-haspopup="true" aria-
controls="menu3Sub1" data-index="1">
Supplying the Met Office

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Supplying the Met Office</div>
<ul id="menu3Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/supplying-the-met-office/advertising/sponsorship-
opportunities" data-index="0">
Advertising

</a>
</li>
<li>
<a class="last" href="/about-us/supplying-the-met-office/procurement" data-
index="1">
Procurement

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/press-office" aria-haspopup="true" aria-
controls="menu3Sub2" data-index="2">
Press Office

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Press Office</div>
```

```
<ul id="menu3Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/press-office/news/weather-and-climate" data-index="0">
Weather and climate news

</a>
</li>
<li>
<a href="/about-us/press-office/news/corporate" data-index="1">
Corporate news

</a>
</li>
<li>
<a href="https://blog.metoffice.gov.uk/" data-index="2">
News blog

</a>
</li>
<li>
<a href="/about-us/press-office/media-resources/podcasts" data-index="3">
Podcasts

</a>
</li>
<li>
<a class="last" href="/about-us/press-office/contact-press-office" data-
index="4">
Contact the Press Office

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/careers" aria-haspopup="true" aria-controls="menu3Sub3"
data-index="3">
Careers

</a>
```

```
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Careers</div>
<ul id="menu3Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/careers/working-here" data-index="0">
Working at the Met Office

</a>
</li>
<li>
<a href="/about-us/careers/your-career" data-index="1">
Your career

</a>
</li>
<li>
<a href="/about-us/careers/vacancies" data-index="2">
Vacancies

</a>
</li>
<li>
<a href="/about-us/careers/rewards-and-benefits" data-index="3">
Rewards and benefits

</a>
</li>
<li>
<a href="/about-us/careers/equality-diversity-and-inclusion" data-index="4">
Equality, diversity and inclusion

</a>
</li>
<li>
<a class="last" href="/about-us/careers/apprentices-graduates-and-placements"
data-index="5">
Apprentices, graduates and placements

</a>
</li>
```

```
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/contact" aria-haspopup="true" aria-controls="menu3Sub4"
data-index="4">
Contact us

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Contact us</div>
<ul id="menu3Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/contact" data-index="0">
Contact details

</a>
</li>
<li>
<a href="/forms/website-feedback" data-index="1">
Feedback form

</a>
</li>
<li>
<a class="last" href="/about-us/contact/in-exeter" data-index="2">
How to find us

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
</div>
</nav>
<hr class="main-menu-divider col-xs-12 hide-lg">
<div id="nav-control" class="nav-control col-xs-12 col-lg-1 col-lg-offset-0">
<div id="nav-control-buttons" class="nav-control-buttons">
<div>
<button id="settings-button" data-settings-control="true" class="hide-xs show-
lg no-js-hide">
```

```

onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span><span
class="icon-label">Settings</span>
</button>
</div>
<div role="search">
<a role="button" id="search-button" href="/search">
<span class="icon" role="img" data-type="global" data-value="search"
title="Expand search"></span>
</a>
</div>
</div>
</div>
<div id="affiliate-links" class="affiliate-links hide-lg"></div>
</div>
</div>
<div class="print-header" aria-hidden="true">

</div>
</header>
<main id="content" aria-labelledby="page-header">
<h1 id="page-header" class="off-screen">Weather and climate change</h1>
<div class="advert-container">
<div class="draggable-advert forecastLeader" id="forecastLeader"></div>
</div>
<div class="hub-hero hub-hero-uk">
<section id="location-search" class="container location-search no-print" aria-
labelledby="search-hint-text">
<h2 id="search-hint-text" class="no-recent-locations">Find a forecast</h2>
<form class="row" action="/search" method="get">
<label for="location-search-input" class="off-screen">Search for a place,
autocomplete also includes a 'Use my location' option and your recent
locations</label>
<input id="location-search-input" role="combobox" class="col-xs-10 col-sm-11"
name="query" type="text" placeholder="Search for a place"
autocomplete="off" aria-autocomplete="list" aria-haspopup="listbox" aria-
owns="suggested-results" aria-expanded="false" required="">
<button id="location-search-submit" class="col-xs-2 col-sm-1" type="submit"
value="Search">
<span class="icon" data-type="global" data-value="search">Search</span>
</button>
</form>
<div class="search-results-container">
<div id="search-results-box" class="location-results hidden">
<div id="error-messages" class="error hidden result-indented"></div>
<div id="aria-live-notification" role="status" aria-live="polite"></div>
<div id="suggested-location-container" class="hidden">
<p>Please choose your location from the nearest places to <span id="entered-
location-name"></span>:</p>
<div id="suggested-locations"></div>
</div>
<div id="suggested-places-container" class="hidden result-indented">

```

```

<span id="suggested-results-header" class="place-header">Suggested
places</span>
<hr aria-hidden="true">
<ul id="suggested-results" role="listbox" class="hidden" aria-
labelledby="suggested-results-header"></ul>
</div>
<div id="use-current-location" role="button" class="use-current-location"
tabindex="-1">
<span class="icon" data-type="global" data-value="find-location"></span>
<span>Use my current location</span>
</div>
<div id="recent-places-container" class="hidden result-indented">
<span id="recent-places-header" class="place-header">Recent places</span>
<hr aria-hidden="true">
<ul id="recent-places" aria-labelledby="recent-places-header"></ul>
</div>
</div>
</div>
<div id="nearest-place-hint" class="nearest-place-hint hidden"></div>
</section>
<div>
<div>
</div>
</div>
<section id="recent-locations" class="recent-locations-component container no-
js-hide" aria-labelledby="recent-locations-header">
<div class="recent-locations-container">
<div class="recent-locations-header-container">
<div>
<h3 id="recent-locations-header" class="recent-locations-header">Your recent
places</h3>
<button id="edit-recent-places-button" class="edit-recent-places-button hidden"
title="Edit recent places" aria-controls="recent-locations-list">Edit</button>
</div>
</div>
<div id="recent-locations-card-container" class="recent-locations-card-container
scrollable">
<ul id="recent-locations-list" class="recent-locations-list">
<li id="no-locations-card" class="recent-place-info-card hidden">Your recently
searched for places will appear here.</li>
<li id="no-consent-card" class="recent-place-info-card hidden">
<div class="recent-place-card-no-consent">
<p>To see your recently searched for places, accept cookies by <a
href="javascript:CookieControl.open()">updating your preferences</a></p>
</div>
</li>
<li id="recent-location-3" class="hidden">
<a id="recent-location-link-3" class="recent-place-card" data-result-index="3">
<div class="remove-location-circle">
<div class="remove-location-cross"></div>
</div>
<div class="location-card-name">
<div class="location-name"></div>
<div class="area-name"></div>

```

```
</div>
<div class="recent-location-weather">
<span class="icon" data-type="chevron-right-black"></span>
</div>
</a>
</li>
<li id="recent-location-2" class="hidden">
<a id="recent-location-link-2" class="recent-place-card" data-result-index="2">
<div class="remove-location-circle">
<div class="remove-location-cross"></div>
</div>
<div class="location-card-name">
<div class="location-name"></div>
<div class="area-name"></div>
</div>
<div class="recent-location-weather">
<span class="icon" data-type="chevron-right-black"></span>
</div>
</a>
</li>
<li id="recent-location-1" class="hidden">
<a id="recent-location-link-1" class="recent-place-card" data-result-index="1">
<div class="remove-location-circle">
<div class="remove-location-cross"></div>
</div>
<div class="location-card-name">
<div class="location-name"></div>
<div class="area-name"></div>
</div>
<div class="recent-location-weather">
<span class="icon" data-type="chevron-right-black"></span>
</div>
</a>
</li>
<li id="next-location-card" class="recent-place-info-card recent-place-card-next-
place hidden">Your next recent place will appear here.</li>
</ul>
</div>
</div>
</section>
<section id="warnings-banner" class="warnings-banner hidden" aria-
labelledby="warnings-banner-header">
<a href="/weather/warnings-and-advice/uk-warnings" id="warnings-banner-
placeholder" class="warning-item">
<span class="warning-icon">
<span class="icon" data-type="warning" data-value="clear">clear</span>
</span>
<h2 id="warnings-banner-header" class="warning-message">There may be
weather warnings in force for the UK</h2>
</a>
</section> </div>
<div class="wrap-3-col">
<div class="wrap-3-left">
<div class="advert-container">
```

```
<div class="draggable-advert skyLeft" id="skyLeft"></div>
</div>
</div>
<div class="wrap-3-mid">
<div class="content-container home-content">
<div class="news-video-block">
<section id="breaking-news" class="breaking-news-block" aria-
labelledby="breaking-news-headline">
<a href="/about-us/press-office/news/weather-and-climate/2022/driest-july-in-
england-since-1935" style="background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/sun/beautiful-
orange-sunset-over-the-ocean.jpg/beautiful-orange-sunset-over-the-ocean.jpg/
metofficegovuk%3AbreakingNewsBlockLg')">
<div class="article-text">
<div class="article-type">News</div>
<h2 id="breaking-news-headline" class="breaking-news-headline">Driest July in
England since 1935</h2>
<p class="article-tagline">July 2022 was the driest July for England since 1935,
and the driest July on record for East Anglia, southeast and southern England,
according to provisional s...</p>
<span class="read-more">Read more <span class="icon" data-type="chevron-
right-green"></span></span>
</div>
</a>
</section>
</div>
<section id="hub-map-slot" class="hub-map no-js-hide" aria-label="UK forecast
map" data-lazy-load-map="true"
data-src="https://cdnjs.cloudflare.com/ajax/libs/require.js/2.3.6/require.min.js"
data-integrity="sha384-
38qS6ZDmuc4fn68ICZ1CTMDv4+Yrqtpijvp5fwMNdbumNGNJ7JVJHgWr2X+nJfqM"
data-map-main="/webfiles/1658483350597/js/mapping/applications/uk/
staticForecast/mapApplication" data-map-path="/webfiles/1658483350597"
data-map-map-link="/weather/maps-and-charts/forecast-map">
<div id="forecast-static-map-container" class="static-map-container">
<div id="forecast-static-map-title-control" class="static-map-title-control">
<div class="leaflet-control-title leaflet-control">
<div class="leaflet-control-title-title-text" id="leaflet-map-heading">weather
map</div>
<div class="leaflet-control-title-description-text">
UK forecast
</div>
<a class="leaflet-control-maplink" id="leaflet-control-maplink"
href="/weather/maps-and-charts/forecast-map"><span>Detailed weather
map</span><span class="icon"
data-type="chevron-right-green"></span></a>
<div class="leaflet-control-title-valid-text" id="leaflet-control-title-valid-
text"><span class="invisible">Forecast for HH:mm, EEE</span></div>
<div class="leaflet-control-title-updated-text" id="leaflet-control-title-updated-
text"><span class="invisible">Updated HH:mm (ZZZZ) on EEE dd MMM
yyyy</span></div>
</div>
</div>
<div id="forecast-static-map" class="static-map">
```



```
<div class="loading-map">Loading map...</div>
</div>
</div>
</section>
<div class="row">
<div class="col">
<div id="flood-warnings-container" class="flood-warning-container">
<div class="flood-warning-container-inner">
<div class="fw-header">
<div class="fw-tag">
WARNING
</div>
<div class="fw-type">

<div class="fw-title">Flood<br> alerts</div>
</div>
</div>
<div class="fw-detail">
<p class="fw-subheader">Flood alerts in force for:</p>
<table class="fw-link-container">
<tbody><tr>
<th>England</th>
<td><a href="https://check-for-flooding.service.gov.uk/">Environment
Agency</a></td>
</tr>
<tr>
<th>Wales</th>
<td><a href="https://flood-warning.naturalresources.wales/">Natural Resources
Wales</a></td>
</tr>
</tbody></table>
<p class="fw-footer">Updated:
<time datetime="2022-08-02T08:01:25.316+01:00">08:01 (UTC+1) on Tue 2
Aug 2022</time>
</p>
</div>
</div>
</div>
<section id="forecast-text" class="forecast-text">
<div id="forecast-text-accordion" class="accordion" data-multi-open="" data-
make-room-for-translation="">
<h2 id="five-day-forecast" class="tag-heading">UK 5 day weather
forecast</h2>
<h3 class="accordion-header">
<button id="fiveDayHeading" data-region-id="0" aria-expanded="true" aria-
controls="fiveDayText">
<span class="nowrap">Tuesday 2 Aug -</span>
<span class="nowrap">Saturday 6 Aug</span>
<span class="icon accordion-icon" data-type="chevron-right-black"></span>
</button>
</h3>
```

<div id="fiveDayText" role="region" class="accordion-panel" data-region-id="0" aria-hidden="false" aria-labelledby="fiveDayHeading" data-full-panel-height="1038.375px" data-min-distance-from-top="50" style="">

<h4>Headline:</h4>

<p class="tempText">Some rain or showers; mostly fine and hot in southeast.</p>

<h4>Today:</h4>

<p class="tempText">Occasional rain, with some heavy bursts possible at first, edging southwards across central parts of UK. Skies brightening across Scotland and Northern Ireland, with only scattered light showers. Staying bright and very warm across southern and eastern England. Breezy, humid.</p>

<h4>Tonight:</h4>

<p class="tempText">Humid with patchy rain, drizzle and hill fog across parts of England and Wales, although the far south probably mainly dry. Further north, often cloudy with some showery rain developing.</p>

<h4>Wednesday:</h4>

<p class="tempText">Patchy light rain and drizzle in parts of southern England should clear, then some very warm sunshine again across much of England and Wales. Northwest UK cloudier with occasional showers.</p>

<h4>Outlook for Thursday to Saturday:</h4>

<p>Showers, locally heavy with a risk of thunder clearing from Scotland through Friday. Further rain follows for the northwest late in the day and into the weekend. Elsewhere, mainly fine.</p>

<p class="updated">Updated: <time datetime="2022-08-02T05:00:00+01:00">05:00 (UTC+1) on Tue 2 Aug 2022</time></p>

</div>

</div>

</section>

<section id="longrange-forecast-text" class="forecast-text">

<div id="longrange-forecast-text-accordion" class="accordion" data-init-from-state="" data-multi-open="" data-make-room-for-translation="">

<h2 class="tag-heading">UK long range weather forecast</h2>

<h3 class="accordion-header">

<button id="sixToFifteenHeading" data-region-id="1" aria-expanded="false" aria-controls="sixToFifteenText">

Saturday 6 Aug -

Monday 15 Aug

</button>

</h3>

<div id="sixToFifteenText" role="region" class="accordion-panel" data-region-id="1" aria-hidden="true" aria-labelledby="sixToFifteenHeading" style="height: 0px; display: none;">

<p>Most places are likely to see mainly settled weather at the start of this period, with a mix of cloud and sunny spells across the country. However, cloud and outbreaks of rain will spread across northern areas on Saturday, the heaviest of these expected in northwest Scotland. Dry in the south with clear or sunny spells. Isolated showers may affect the north through the weekend and into Monday. Temperatures near normal, or locally warm in parts of the south. The dry weather is likely to persist further into the period, becoming more widespread in the north. Still the chance of some periods of organised rain in the north at times. Temperatures becoming widely near normal, but perhaps warm or very warm in the south.</p>

<p class="updated">Updated: <time datetime="2022-08-01T15:00:00+01:00">15:00 (UTC+1) on Mon 1 Aug 2022</time></p>

</div>

<h3 class="accordion-header">

<button id="sixteenToThirtyHeading" data-region-id="2" aria-expanded="false" aria-controls="sixteenToThirtyText">

Tuesday 16 Aug -

Tuesday 30 Aug

</button>

</h3>

<div id="sixteenToThirtyText" role="region" class="accordion-panel" data-region-id="2" aria-hidden="true" aria-labelledby="sixteenToThirtyHeading" style="height: 0px; display: none;">

<p>Dry weather likely to continue in this period for many, but still a chance of some periods of organised rain in the north. These may make incursions further south at times, especially towards the end of the month. For the south and southeast any precipitation is most likely in the form of showers or thunderstorms, although most areas are likely to be drier than average.

Temperatures likely continuing to be widely above normal, with the potential for a very warm spell in the south.</p>

<p class="updated">Updated: <time datetime="2022-08-01T16:00:00+01:00">16:00 (UTC+1) on Mon 1 Aug 2022</time></p>

</div>

</div>

</section>

<section class="link-group-container link-group-grey-border single-column around-the-uk">

<h2 id="lgelmid_1" class="link-group-header">Top UK forecasts</h2>

<div class="link-group">

<ul class="link-group-list" aria-labelledby="lgelmid_1">

Belfast

Cardiff

Edinburgh

London

Manchester

```
</a>
</li>
</ul>
</div>
<div class="link-group-footerlink"> <a href="/weather/forecast/uk">View UK
forecast</a></div>
</section>
<section class="link-group-container link-group-grey-border single-column
around-the-world">
<h2 id="lgelmid_2" class="link-group-header">World forecasts</h2>
<div class="link-group">
<ul class="link-group-list" aria-labelledby="lgelmid_2">
<li>
<a href="/weather/world/australia">
<span class="link-text" title="Australia">Australia</span>
</a>
</li>
<li>
<a href="/weather/world/ireland">
<span class="link-text" title="Ireland">Ireland</span>
</a>
</li>
<li>
<a href="/weather/world/france">
<span class="link-text" title="France">France</span>
</a>
</li>
<li>
<a href="/weather/world/spain">
<span class="link-text" title="Spain">Spain</span>
</a>
</li>
<li>
<a href="/weather/world/united_states_of_america">
<span class="link-text" title="United States of America">United States of
America</span>
</a>
</li>
</ul>
</div>
<div class="link-group-footerlink"> <a href="/weather/world/list">View all
countries</a></div>
</section> </div>
<div class="mpu-col">
<div class="video-link">
<a href="/weather/videos">

<div class="video-link-text">
<div class="tag-heading-dark">Video forecasts</div>
<h2 class="video-link-header">Latest UK daily weather videos</h2>
<p class="video-link-cta">
<span>Video forecasts</span>
```

```
<span class="icon" data-type="chevron-right-green"></span>
</p>
</div>
</a>
</div>
<div class="advert-container">
<div class="draggable-advert mpu" id="mpu"></div>
</div>
</div>
<div class="learn-articles-block preview-block no-print tag-query-preview-
block" aria-labelledby="learn-articles-heading">
<h2 id="learn-articles-heading">More from the Met Office</h2>
<ul class="items">
<li class="preview-block-component" data-pb-position="0">
<a href="/weather/climate-change/causes-of-climate-change" class="item">
<div class="image lazy" data-class="preview-block-image-8d50762d-7dc1-
4394-86a9-b2a6490dfbae">
<noscript>
<div class="image preview-block-image-8d50762d-7dc1-4394-86a9-
b2a6490dfbae"></div>
</noscript>
</div>
<div class="imagetag">CLIMATE CHANGE</div>
<h3 class="title title-row-2">Causes of climate change</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component" data-pb-position="1">
<a href="/weather/learn-about/weather/types-of-weather/fog/coastal-fog"
class="item">
<div class="image lazy" data-class="preview-block-image-53ca865c-3dd0-41d9-
8ab1-4b9bf597465c">
<noscript>
<div class="image preview-block-image-53ca865c-3dd0-41d9-8ab1-
4b9bf597465c"></div>
</noscript>
</div>
<div class="imagetag">LEARN ABOUT</div>
<h3 class="title title-row-2">Coastal fog</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component" data-pb-position="2">
<a href="/weather/learn-about/weather/seasons/summer/10-facts-about-
summer" class="item">
<div class="image lazy" data-class="preview-block-image-de137b31-0161-
4de3-89cc-d45a997914a1">
```

```
<noscript>
<div class="image preview-block-image-de137b31-0161-4de3-89cc-
d45a997914a1">&lt;&lt;/div>&gt;
</noscript>
</div>
<div class="imagetag">LEARN ABOUT</div>
<h3 class="title title-row-2">10 facts about summer</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component" data-pb-position="3">
<a href="/weather/warnings-and-advice/seasonal-advice/health-wellbeing/
pollen/when-is-hayfever-season" class="item">
<div class="image lazy" data-class="preview-block-image-8f642d42-d3cc-4818-
a116-430e9686aa40">
<noscript>
&lt;div class="image preview-block-image-8f642d42-d3cc-4818-a116-
430e9686aa40">&lt;&lt;/div>&gt;
</noscript>
</div>
<div class="imagetag">WARNINGS AND ADVICE</div>
<h3 class="title title-row-2">When is hay fever season in the UK?</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component" data-pb-position="4">
<a href="/weather/learn-about/weather/types-of-weather/hail" class="item">
<div class="image lazy" data-class="preview-block-image-eb619f07-7bfb-4808-
a907-75558a3f9595">
<noscript>
&lt;div class="image preview-block-image-eb619f07-7bfb-4808-a907-
75558a3f9595">&lt;&lt;/div>&gt;
</noscript>
</div>
<div class="imagetag">LEARN ABOUT</div>
<h3 class="title title-row-2">Hail</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component" data-pb-position="5">
<a href="/weather/warnings-and-advice/seasonal-advice/health-wellbeing/
pollen" class="item">
<div class="image lazy" data-class="preview-block-image-dc2b8ae8-962e-4082-
a563-ee5766ea5549">
<noscript>
```

```
<div class="image preview-block-image-dc2b8ae8-962e-4082-a563-
ee5766ea5549"></div>
</noscript>
</div>
<div class="imagetag">WARNINGS AND ADVICE</div>
<h3 class="title title-row-2">Pollen</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
</ul>
</section>
</div>
<div class="advert-container">
<div class="draggable-advert ad-bottom" id="ad-bottom"></div>
</div>
</div>
<div class="wrap-3-right">
<div class="advert-container">
<div class="draggable-advert skyRight" id="skyRight"></div>
</div>
</div>
</div>
</main>
<div class="content-container" role="complementary" aria-label="feedback
banner">
<section class="feedback-banner-component">
<h2 class="feedback-banner-header">Help us improve our website</h2>
<a href="/feedback">Take our short survey</a>
</section></div>
<footer role="contentinfo" aria-label="footer">
<div class="upper">
<div class="content-container row">
<div class="col-xs-12 col-lg-2">

</div>
<div class="link-column col-xs-12 col-lg-10">
<div class="row">
<div class="left col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-1">
<li>
<a href="https://college.metoffice.gov.uk/">Met Office College</a>
</li>
<li>
<a href="https://library.metoffice.gov.uk/portal">National Meteorological Library
& Archive</a>
</li>
<li>
<a href="https://wow.metoffice.gov.uk">Weather Observations Website
(WOW)</a>
```

```
</li>
</ul>
</div>
</div>
<div class="right col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-2">
<li>
<a href="/about-us/website/accessibility">Accessibility</a>
</li>
<li>
<a href="/about-us/legal/privacy">Privacy policy</a>
</li>
<li>
<a href="/about-us/legal/cookies">Cookie policy</a>
</li>
<li>
<a href="/about-us/legal">Legal</a>
</li>
<li>
<a href="/about-us/guide-to-emails">Email updates</a>
</li>
<li>
<a href="/weather/guides/rss">RSS</a>
</li>
</ul>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="lower">
<div class="content-container row">
<div class="app-badges col-sm-6 col-xs-12">
<a class="google-play" href="https://play.google.com/store/apps/details?id=uk.gov.metoffice.weather.android&referrer=utm_source%3DMet%2520Office%2520Desktop%2520site%2520apps%2520page">

</a>
<a class="app-store"
href="https://apps.apple.com/app/apple-store/id1068146838">

</a>
</div>
<div class="follow-icons col-sm-6 col-xs-12 last-sm">
<ul class="horizontal-list">
<li><a href="https://www.facebook.com/metoffice" title="Follow us on Facebook"><span class="icon" data-type="follow-light" data-value="facebook"></span></a></li>
<li><a href="https://twitter.com/metoffice" title="Follow us on Twitter"><span class="icon" data-type="follow-light" data-value="twitter"></span></a></li>
```



```
<li><a href="https://www.youtube.com/user/TheMetOffice" title="Follow us on
YouTube"><span class="icon" data-type="follow-light" data-
value="youtube"></span></a></li>
<li><a href="https://www.instagram.com/metoffice/" title="Follow us on
Instagram"><span class="icon" data-type="follow-light" data-
value="instagram"></span></a></li>
<li><a href="https://www.snapchat.com/add/metoffice" title="Follow us on
Snapchat"><span class="icon" data-type="follow-light" data-
value="snapchat"></span></a></li>
<li><a href="https://www.linkedin.com/company/met-office/" title="Follow us on
LinkedIn"><span class="icon" data-type="follow-light" data-
value="linkedin"></span></a></li>
</ul>
</div>
</div>
<div class="content-container row">
<div class="copyright col-xs-12">
<small><a href="/about-us/legal#licences">© Crown Copyright</a></small>
</div>
</div>
</div>
<div class="print-footer">

<p>© Crown Copyright</p>
</div>
</footer>
<div id="settings-container"
data-scripts="/webfiles/1658483350597/js/minified/dialog.min.js
/webfiles/1658483350597/js/minified/edit-preferences.min.js"
data-styles="/webfiles/1658483350597/css/compiled/components/dialog.css"></
div>
<script src="/webfiles/1658483350597/js/minified/global.min.js"></script>
<script src="/webfiles/1658483350597/js/components/location-search.js"
type="module"></script>
<script defer="defer" src="/webfiles/1658483350597/js/mapping/lazy-load-
map.js"></script>
<script>
//
window.addEventListener("DOMContentLoaded",
window.metoffice.accordion.init("forecast-text-accordion"));
window.addEventListener("DOMContentLoaded",
window.metoffice.accordion.init("longrange-forecast-text-accordion"));
//]]&gt;
&lt;/script&gt;
&lt;script crossorigin="anonymous"
integrity="sha384-aMayb/6K92sL3yIDswToDZ1x9TTZojCz5kcKEP6WZjXtIDx5x1F
uZhhqDu+GYCmr" src="https://cdnjs.cloudflare.com/ajax/libs/iamdustan-
smoothscroll/0.4.0/smoothscroll.min.js"&gt;&lt;/script&gt;
&lt;script src="/static/js/external/latlon-geohash/latlon-geohash@2.0.0.js"
type="module"&gt;&lt;/script&gt;
&lt;script src="/webfiles/1658483350597/js/common/geohash-location.js"
type="module"&gt;&lt;/script&gt;
&lt;script&gt;</pre></div>
```

```

//<![CDATA[
window.addEventListener("DOMContentLoaded", function () {
window.metoffice.locationSearch.searchBehaviour = "homepage";
window.metoffice.locationSearch.init();
});
//]]>
</script>
<script>window['gtag_enable_tcf_support'] = true;</script>
<script type="text/plain" data-run-after-consent="" data-consent-
purposes="1,3,7,9,10">//<![CDATA[
(function (w, d, s, l, i) {
w[l] = w[l] || [];
w[l].push({
'gtm.start': new Date().getTime(), event: 'gtm.js'
});
var f = d.getElementsByTagName(s)[0],
j = d.createElement(s), dl = l !== 'dataLayer' ? '&l=' + l : '';
j.async = true;
j.src = 'https://www.googletagmanager.com/gtm.js?id=' + i + dl;
f.parentNode.insertBefore(j, f);
})(window, document, 'script', 'dataLayer', 'GTM-NG48PDS');
//]]></script>
<script data-src="/webfiles/1658483350597/js/common/delete-analytics-
cookies.js" type="text/plain" data-run-after-consent="" data-consent-
purposes="!1"></script>
<script src="/webfiles/1658483350597/js/common/run-scripts-requiring-
consent.js"></script>

<iframe name="__tcfapiLocator" style="display:
none;"></iframe></body></html>

<html lang="en"><head>
<link rel="preconnect" href="https://cc.cdn.civiccomputing.com"
crossorigin="anonymous">
<link rel="preload" href="/webfiles/1658483350597/js/common/set-body-
class.js" as="script">
<link rel="preload" href="/webfiles/1658483350597/js/common/run-ab-test.js"
as="script">
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=Edge">
<meta name="robots" content="max-image-preview:large">
<meta name="viewport" content="initial-scale=1.0, width=device-width,
viewport-fit=cover">
<meta name="eGMS.accessibility" content="A">
<meta name="eGMS.subject.category" content="Climate and weather">
<meta name="twitter:site" content="@metoffice">
<meta name="twitter:card" content="summary">
<meta property="fb:app_id" content="208580322593329">
<meta property="og:site_name" content="Met Office">
<meta property="og:type" content="website">
<meta property="og:url"
content="https://www.metoffice.gov.uk/weather/climate/uk-climate">
<link rel="icon" href="/favicon.png">
<link rel="icon" href="/favicon-dark.png" media="(prefers-color-scheme:dark)">

```

```
<link rel="manifest" href="/manifest.json">
<meta name="theme-color" content="#2a2a2a">
<meta property="og:image"
content="https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/
hero-images/uk-climate/uk_climate_anomaly_maps_relative_to_1961-1990.jpg">
<meta property="og:image:width" content="1920">
<meta property="og:image:height" content="1078">
<meta name="google-site-verification"
content="LR7Q3483mkrmLcJJZpzlbl48mNnTbBDVzjA3GqT3Q2M">
<meta name="google-translate-customization" content="f8c19e614cd5ee7e-
37428b41ac444aca-gd1bc91f73b6940ae-14">
<link rel="canonical" href="https://www.metoffice.gov.uk/weather/climate/uk-
climate">
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/base.css"
type="text/css">
<script type="text/javascript" async=""
src="https://www.googleadservices.com/pagead/conversion_async.js"></
script><script type="text/javascript" async="" src="https://www.google-
analytics.com/analytics.js"></script><script type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
2MWC7FCEB2&l=dataLayer&cx=c"></script><script
type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
K77XZ36FRH&l=dataLayer&cx=c"></script><script gtm="GTM-
NG48PDS" type="text/javascript" async="" src="https://www.google-
analytics.com/gtm/optimize.js?id=GTM-WFR2SRH"></script><script async=""
src="https://www.googletagmanager.com/gtm.js?id=GTM-NG48PDS"></script>
<script src="/public/adhoc/mo-adhoc.js" defer=""></script>
<script src="/public/gdpr-consent/cookieControl-config.js"
defer="defer"></script>
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/breadcrumb.css"
type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/feedback-banner.css"
type="text/css">
<title>UK climate - Met Office</title>
<meta property="og:title" content="UK climate">
<meta name="title" data-type="string" class="swifttype" content="UK climate">
<meta name="description" content="The Met Office is responsible for
monitoring and modelling the UK's climate. We collect weather and climate
records, assess how the UK's climate may evolve in the future, and provide
advice to manage climate-related risks.">
<meta property="og:description" content="The Met Office is responsible for
monitoring and modelling the UK's climate. We collect weather and climate
records, assess how the UK's climate may evolve in the future, and provide
advice to manage climate-related risks.">
<script type="text/javascript"
src="https://securepubads.g.doubleclick.net/tag/js/gpt.js"></script>
<script src="/webfiles/1658483350597/js/minified/advertising.min.js"></script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("ad-bottom","ad-
bottom",false);
```

```

//]]>
</script>
<script>
//
window.metoffice = window.metoffice || {};
window.metoffice.advertising = window.metoffice.advertising || {};
window.metoffice.advertising.addTargeting("env", "beta");
window.metoffice.advertising.addTargeting("warnings", "false");
//]]&gt;
&lt;/script&gt;
&lt;script defer="defer" src="/webfiles/1658483350597/js/preview-block/lazy-load-
preview-block.js"&gt;&lt;/script&gt;
&lt;style&gt;
/*<![CDATA[*/
.preview-block-image-e886f29f-7525-40a9-8f8e-8e1fbc38f98f {
background-image: url('/binaries/content/gallery/metofficegovuk/hero-images/uk-
climate/climate-averages-hero.jpg/climate-averages-hero.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-e886f29f-7525-40a9-8f8e-8e1fbc38f98f {
background-image: url('/binaries/content/gallery/metofficegovuk/hero-images/uk-
climate/climate-averages-hero.jpg/climate-averages-hero.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-e886f29f-7525-40a9-8f8e-8e1fbc38f98f {
background-image: url('/binaries/content/gallery/metofficegovuk/hero-images/uk-
climate/climate-averages-hero.jpg/climate-averages-hero.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-e886f29f-7525-40a9-8f8e-8e1fbc38f98f {
background-image: url('/binaries/content/gallery/metofficegovuk/hero-images/uk-
climate/climate-averages-hero.jpg/climate-averages-hero.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]&gt;*/
&lt;/style&gt;
&lt;style&gt;
/*<![CDATA[*/
.preview-block-image-87cb5747-9b09-4bef-98fd-56b70ce4ac70 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
high-and-low-pressure.jpg/high-and-low-pressure.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-87cb5747-9b09-4bef-98fd-56b70ce4ac70 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
</pre>
</div>
```

```

high-and-low-pressure.jpg/high-and-low-pressure.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-87cb5747-9b09-4bef-98fd-56b70ce4ac70 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
high-and-low-pressure.jpg/high-and-low-pressure.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-87cb5747-9b09-4bef-98fd-56b70ce4ac70 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
high-and-low-pressure.jpg/high-and-low-pressure.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-a7d55b0a-c89d-4094-8bc7-72e6c82861a0 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/flood-
warning-sign-flooded-road.jpg/flood-warning-sign-flooded-road.jpg/
metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-a7d55b0a-c89d-4094-8bc7-72e6c82861a0 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/flood-
warning-sign-flooded-road.jpg/flood-warning-sign-flooded-road.jpg/
metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-a7d55b0a-c89d-4094-8bc7-72e6c82861a0 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/flood-
warning-sign-flooded-road.jpg/flood-warning-sign-flooded-road.jpg/
metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-a7d55b0a-c89d-4094-8bc7-72e6c82861a0 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/flood-
warning-sign-flooded-road.jpg/flood-warning-sign-flooded-road.jpg/
metofficegovuk%3AcontentBlockMedium');
}
}
}

```

```

/*]]>*/
</style>
<script>
//
window.metoffice.advertising.addSlotConfiguration("mpuOnly","mpuOnly",false);
//]]&gt;
&lt;/script&gt;
&lt;link imagesizes="100vw" as="image"
imagesrcset="/binaries/content/gallery/metofficegovuk/hero-images/uk-climate/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/metofficegovuk
%3AheroXXLarge 1920w,
/binaries/content/gallery/metofficegovuk/hero-images/uk-climate/uk_climate_ano
maly_maps_relative_to_1961-1990.jpg/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/metofficegovuk
%3AheroXLarge 1600w,
/binaries/content/gallery/metofficegovuk/hero-images/uk-climate/uk_climate_ano
maly_maps_relative_to_1961-1990.jpg/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/metofficegovuk
%3AheroLarge 1366w, /binaries/content/gallery/metofficegovuk/hero-images/uk-
climate/uk_climate_anomaly_maps_relative_to_1961-1990.jpg/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/metofficegovuk
%3AheroMedium 1024w,
/binaries/content/gallery/metofficegovuk/hero-images/uk-climate/uk_climate_ano
maly_maps_relative_to_1961-1990.jpg/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/metofficegovuk
%3AheroSmall 768w, /binaries/content/gallery/metofficegovuk/hero-images/uk-
climate/uk_climate_anomaly_maps_relative_to_1961-1990.jpg/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/metofficegovuk
%3AheroXSmall 640w" rel="preload"
href="/binaries/content/gallery/metofficegovuk/hero-images/uk-climate/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/
uk_climate_anomaly_maps_relative_to_1961-1990.jpg/metofficegovuk
%3AheroMedium"&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyRight","skyRight",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyLeft","skyLeft",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("forecastLeader","forecastLe
ader",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.allocateLeaderAdspotSpace = (window.innerWidth
&lt;= 1630 &amp;&amp; window.innerWidth &gt;= 975)?"130px":"0px"
</pre>
</div>
```

```
//]]>
</script>
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/article.css"
type="text/css">
<script>
dataLayer = [];
</script>
<script src="https://cc.cdn.civiccomputing.com/9/cookieControl-9.6.1.min.js"
integrity="sha384-aqvfy6jZz7P1H3oZsg8o0LwTPPzfe8oAUERJ960teK4rPG+
+iAX5I5gyu0iEzf" crossorigin="anonymous"></script><style>.ccc-disable-
scroll{overflow-y:scroll;position:fixed}#ccc{font-family:Arial,sans-serif;font-
size:16px;line-height:1.4em;position:fixed;z-index:2147483647}#ccc-
icon{background:transparent;border:0;bottom:0;cursor:pointer;height:80px;padd-
ing:0;position:fixed;width:80px;z-index:20}#ccc-icon.ccc-icon--left{left:0}#ccc-
icon.ccc-icon--right{right:0}#ccc-icon.ccc-icon--dark{fill:#000025}#ccc-
icon.ccc-icon--dark #star path{fill:#fff}#ccc-icon.ccc-icon--light{fill:#555}#ccc-
icon.ccc-icon--light #star path{fill:#f4f4f4}#ccc-overlay{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:fade-in;animation-
name:fade-in;-webkit-backface-visibility:hidden;backface-
visibility:hidden;background:rgba(0,0,0,.4);bottom:0;left:0;opacity:1;perspective:
0;position:fixed;right:0;top:0;will-change:opacity;z-index:1}#ccc-
module{height:100%;position:fixed;width:100%;z-index:2}#ccc-module.ccc-
module--slideout{bottom:0;max-width:520px;top:0;width:90%}#ccc-module.ccc-
module--slideout.ccc-module--left{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-right;animation-name:slide-right;left:0}#ccc-
module.ccc-module--slideout.ccc-module--right{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:slide-left;animation-
name:slide-left;right:0}#ccc-content{box-sizing:border-
box;height:100%;overflow-
y:auto;padding:24px;position:absolute;width:100%}.ccc-content--
dark{fill:#fff;background-color:#313147;color:#fff}.ccc-content--
light{fill:#333;background-color:#f4f4f4;color:#333}#ccc-close{align-
items:center;background-
color:transparent;border:0;cursor:pointer;display:flex;padding:0!
important;position:absolute;right:16px;top:16px;z-index:10}#ccc-title,.ccc-
title{font-size:1.2em;font-weight:700;line-height:1.5em;margin:0;padding-
right:32px;text-align:left}#ccc #ccc-recommended-
settings{clear:both;float:none;margin-left:0}#ccc h2,#ccc h3{font-
weight:700;margin:0;padding-right:120px}#ccc h2,#ccc h3,#ccc p,.ccc-
intro{font-size:1em;line-height:1.5em;text-align:left}#ccc p,.ccc-intro{font-
weight:400;margin:1em 0}#ccc hr{border:0;height:1px;margin:24px
0;opacity:.25}#ccc .ccc-svg-element{display:inline-block;height:16px;margin-
left:8px;position:relative;top:6px;width:16px}#ccc .ccc-content--dark
hr{background-color:#fff}#ccc .ccc-content--dark a,#ccc .ccc-content--dark
h1,#ccc .ccc-content--dark h2,#ccc .ccc-content--dark h3,#ccc .ccc-content--
dark p,#ccc .ccc-content--dark span{fill:#fff;color:#fff}#ccc .ccc-content--light
hr{background-color:#333}#ccc .ccc-content--light a,#ccc .ccc-content--light
h1,#ccc .ccc-content--light h2,#ccc .ccc-content--light h3,#ccc .ccc-content--
light p,#ccc .ccc-content--light span{fill:#333;color:#333}#ccc .optional-
cookie{position:relative}.checkbox-
toggle{margin:0;position:absolute;right:0;top:-3px}#ccc .checkbox-toggle-
```

```

input{bottom:0;display:block;height:100%;left:0;margin:0;opacity:0;padding:0;position:absolute;right:0;top:0;width:100%;z-index:1}#ccc .checkbox-toggle--checkbox{border:2px solid #fff;border-radius:4px}#ccc .checkbox-toggle--checkbox .checkbox-toggle-label{display:block;height:24px;width:24px}#ccc .checkbox-toggle--checkbox .checkbox-toggle-off,#ccc .checkbox-toggle--checkbox .checkbox-toggle-on{display:none}#ccc .checkbox-toggle--checkbox .checkbox-toggle-toggle{border-radius:4px;display:block;height:100%;position:relative;width:100%}#ccc .checkbox-toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border:solid #fff;border-width:0 3px 3px 0;content:"";height:10px;left:9px;position:absolute;top:5px;transform:rotate(45deg);width:5px}#ccc .checkbox-toggle--slider{border:4px solid #fff;border-radius:50px}#ccc .checkbox-toggle--slider .checkbox-toggle-label{cursor:pointer;display:flex;margin:0;z-index:1}#ccc .checkbox-toggle--slider .checkbox-toggle-off,#ccc .checkbox-toggle--slider .checkbox-toggle-on{flex:1;flex-basis:50%;font-size:.75em;font-weight:700;min-width:40px;padding:0 6px;text-align:center;white-space:nowrap;width:50%;z-index:2}#ccc .checkbox-toggle--slider .checkbox-toggle-off{opacity:.65}#ccc .checkbox-toggle--slider .checkbox-toggle-toggle{background-color:#000;border-radius:50px;cursor:pointer;display:block;height:100%;left:0;position:absolute;top:0;transition:all .4s ease;width:50%;z-index:3}#ccc .checkbox-toggle--slider input:checked~.checkbox-toggle-toggle{left:50%}#ccc .checkbox-toggle--slider.checkbox-toggle--dark{background-color:#111125;border-color:#111125}#ccc .checkbox-toggle--checkbox.checkbox-toggle--dark{background-color:#111125;border-color:#fff}#ccc .checkbox-toggle--dark .checkbox-toggle-toggle{background-color:#2f2f5f}#ccc .checkbox-toggle--light{background-color:#555;border-color:#555}#ccc .checkbox-toggle--light .checkbox-toggle-toggle{background-color:#000}#ccc .checkbox-toggle--light .checkbox-toggle-on,#ccc .checkbox-toggle--slider.checkbox-toggle--light .checkbox-toggle-off{color:#fff}#ccc .checkbox-toggle--slider input:checked~.checkbox-toggle-toggle{background-color:#fff}#ccc .ccc-alert{border-radius:8px;margin:24px 0;padding:16px}#ccc .ccc-alert-title{align-items:center;display:flex;padding:0}#ccc .ccc-alert-icon{display:inline-block;flex-shrink:0;height:30px;margin:0 8px 0 0;width:30px}#ccc .ccc-alert-break{margin:12px 0}.third-party-cookie-link{align-items:center;display:flex;margin:16px 0}.third-party-cookie-name{font-size:1em;font-weight:700}.third-party-cookie-icon{display:inline-block;height:16px;margin-left:16px;width:16px}#ccc .ccc-content--dark .ccc-alert{fill:#fff;background:#111125;color:#fff}#ccc .ccc-content--dark .third-party-cookie-link{background:#111125;color:#fff}#ccc .ccc-content--light .ccc-alert,#ccc .ccc-content--light .third-party-cookie-link{background:#eaeaea}#ccc .ccc-module--popup{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-name:slide-up;animation-name:slide-up;bottom:0;left:0;opacity:1;right:0;top:0}#ccc .ccc-module--popup #ccc-content{border-radius:12px;height:90%;left:50%;max-height:600px;max-width:600px;top:50%;transform:translate(-50%,-50%);width:90%}#ccc .ccc-notify-box-dismiss{display:none!important}@media (min-width:600px){#ccc #ccc-notify.ccc-notify__box{-webkit-animation-duration:.8s;animation-duration:.8s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-name:box-slide-up;animation-name:box-slide-up;border-radius:12px;box-sizing:border-box;flex-direction:column;height:90%;justify-

```



```
content:space-around;left:50%;max-height:240px;max-
width:480px;opacity:1;padding:32px 64px;top:50%;transform:translate(-50%,-
50%);width:90%}#ccc .ccc-notify-box-dismiss{display:block!
important;position:absolute!important;right:16px!important;top:16px!
important}}#ccc #ccc-notify{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-up;animation-name:slide-up;border-
radius:0;bottom:0;display:flex;flex-direction:column;height:auto;justify-
content:space-between;left:0;margin:0;min-
height:48px;opacity:1;overflow:hidden;padding:16px;position:fixed;right:0;z-
index:30}.ccc-notify-text h1{font-size:1em;font-weight:700;line-
height:1.5em;margin:0;padding-right:120px;text-align:left}#ccc #ccc-notify.ccc-
notify__top{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-
animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-
name:slide-down;animation-name:slide-down;bottom:auto;top:0}#ccc #ccc-
notify h3{padding:0}#ccc #ccc-notify p{font-
size:.9em;margin:0;opacity:.8}#ccc .ccc-notify-buttons{margin-
top:16px;padding-right:24px;position:relative}#ccc .ccc-notify-
button{background:transparent;border:2px solid;border-
radius:4px;cursor:pointer;font-size:1em;font-weight:400;line-
height:1.5em;margin:4px 8px 16px 0;padding:8px 16px!important}#ccc #ccc-
notify-dismiss{background-
color:transparent;border:0;cursor:pointer;display:inline-
flex;height:24px;padding:0!important;position:absolute;right:0;top:-
4px;width:24px}@media (min-width:400px){#ccc #ccc-notify-
dismiss{position:relative;right:auto}#ccc .ccc-notify-buttons{padding-
right:0}}@media (min-width:1020px){#ccc #ccc-notify{align-items:center;flex-
direction:row}#ccc .ccc-notify-text{margin-right:16px}#ccc .ccc-notify-
buttons{flex-shrink:0;white-space:nowrap}}@media (min-width:1200px){#ccc
#ccc-notify{font-size:16px;padding:16px 100px;z-index:10}}#ccc .ccc-content--
dark #ccc-notify,#ccc .ccc-content--dark #ccc-notify span{fill:#fff;background-
color:#313147;color:#fff}#ccc .ccc-content--dark .ccc-notify-button,#ccc .ccc-
content--dark .ccc-notify-button span{border-color:#fff;color:#fff}#ccc .ccc-
content--dark .ccc-button-solid,#ccc .ccc-content--dark .ccc-button-solid
span{background:#fff;color:#111125;font-weight:700}.ccc-notify-link{border:0!
important;text-decoration:underline}#ccc .ccc-content--light #ccc-
notify,#ccc .ccc-content--light #ccc-notify
span{fill:#000;background:#f4f4f4;color:#000}#ccc .ccc-content--light .ccc-
notify-button,#ccc .ccc-content--light .ccc-notify-button span{border-
color:#000;color:#000}#ccc .ccc-content--light .ccc-button-solid,#ccc .ccc-
content--light .ccc-button-solid span{background:#000;color:#fff;font-
weight:700}.ccc-info-link{font-size:.8em;font-weight:700;text-
decoration:none}.ccc-info-link .svg-element{height:14px;margin-
left:6px;width:14px}#ccc .ccc-module--slideout .ccc-
info{height:100px}#ccc[popup] .ccc-info{height:40px}@media
print{#ccc{display:none!important}}#ccc-close-label{display:block;font-
size:16px}#ccc .ccc-panel--indent #ccc-title{padding-right:180px}#ccc-
close.ccc-close--labelled{padding:8px!important;right:0;top:0}#ccc-content.ccc-
content--light #ccc-close.ccc-close--labelled{background-color:#eaeaea}#ccc-
content.ccc-content--dark #ccc-close.ccc-close--labelled{background-
color:#111125}#ccc-end{margin:16px 0 32px}#ccc-dismiss-
button{display:block}#ccc .ccc-content--highlight .ccc-link.ccc-
tabbable:focus{filter:invert(100%);padding:8px}#ccc .ccc-content--highlight.ccc-
content--light .ccc-link.ccc-tabbable:focus{background-color:#eaeaea!
important}
```

```
important;border-color:#eaeaea!important}#ccc .ccc-content--highlight.ccc-
content--dark .ccc-link.ccc-tabbable:focus{background-color:#111125!
important;border-color:#111125!important}#ccc .ccc-content--highlight #ccc-
close:focus,#ccc .ccc-content--highlight .ccc-button-solid:focus,#ccc .ccc-
content--highlight .checkbox-toggle-input:focus~.checkbox-toggle-
toggle,#ccc .ccc-content--highlight .third-party-cookie-
link:focus{filter:invert(100%)}#ccc .ccc-content--highlight.ccc-content--
light .ccc-tabbable:focus{box-shadow:0 4px 8px 0 hsla(0,0%,100%,.2),0 6px
20px 0 hsla(0,0%,100%,.2)}#ccc .ccc-content--highlight.ccc-content--dark .ccc-
tabbable:focus{box-shadow:0 4px 8px 0 rgba(0,0,0,.2),0 6px 20px 0
rgba(0,0,0,.2)}#ccc .checkbox-toggle:focus-within{outline:auto}#ccc #ccc-
icon.ccc-icon--no-outline,#ccc .ccc-content--no-outline *,#ccc .ccc-content--no-
outline .ccc-tabbable{outline:none}#ccc .ccc-content--highlight .ccc-
tabbable:active,#ccc .ccc-content--highlight .ccc-tabbable:hover,#ccc .ccc-icon--
highlight:active,#ccc .ccc-icon--highlight:highlight{box-shadow:none!
important;filter:none!important}.ccc-
panel{left:24px;position:absolute;right:24px;top:24px}.ccc-
panel.hidden{height:0;opacity:0;overflow:hidden}.ccc-
panel.visible{height:auto;opacity:1;transition:opacity .4s}#ccc .iab-
vendor,#ccc .optional-vendor{margin:0 0 8px}#ccc .optional-vendor{font-
size:.875em}#ccc .optional-vendor-heading{font-weight:700;padding-
left:24px;text-decoration:underline}#ccc .ccc-vendor-reveal{align-
items:center;background:transparent;border:1px dotted;display:flex;font-
size:.875em;opacity:.5;transition:opacity .4s}#ccc .ccc-vendor-reveal:focus,#ccc
.ccc-vendor-reveal:highlight{opacity:1}#ccc .ccc-legal-description{margin-
top:1rem}#ccc .ccc-vendor-reveal svg{height:16px;margin-
left:8px;width:16px}#ccc .optional-vendor-warning{align-
items:center;display:flex}#ccc .optional-vendor-warning
svg{height:16px;margin-right:8px;width:16px}#ccc .optional-vendor-
content{padding-left:24px}#ccc .iab-vendor-heading{font-size:.875em;font-
weight:400;text-decoration:underline}#ccc .cmp-button-holder{display:flex;font-
size:.75em;justify-content:space-between}#ccc .cmp-
back{opacity:.5;transition:opacity .4s}#ccc .cmp-back:highlight{opacity:1}.ccc-sr-
only{clip:rect(0,0,0,0);border:0;height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}@-webkit-keyframes
fade-in{0%{opacity:0}to{opacity:1}}@keyframes fade-in{0%
{opacity:0}to{opacity:1}}@-webkit-keyframes slide-right{0%
{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-right{0%{transform:translate3d(-
100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-left{0%
{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@-
webkit-keyframes slide-up{0%
{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@keyframes
slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@-
webkit-keyframes box-slide-up{0%{transform:translate3d(-
50%,100%,0)}to{transform:translate3d(-50%,-50%,0)}}@keyframes box-slide-
up{0%{transform:translate3d(-50%,100%,0)}to{transform:translate3d(-50%,-
50%,0)}}@-webkit-keyframes slide-down{0%{transform:translate3d(0,-
100%,0)}to{transform:translateZ(0)}}@keyframes slide-down{0%
{transform:translate3d(0,-100%,0)}to{transform:translateZ(0)}}#ccc .iab-
object{height:48px;position:relative;width:98%}#ccc .iab-object.iab-object--
vendor{width:85%}#ccc .iab-object .checkbox-
toggle{left:0;right:auto;top:4px}#ccc .iab-object .checkbox-toggle-
```

```

label{height:18px;width:18px}#ccc .iab-object .checkbox-toggle--checkbox
input:checked~.checkbox-toggle-toggle:after{border-width:0 2px 2px
0;height:8px;left:7px;top:3px;width:3px}#ccc .iab-object-
label{display:block;font-size:.75em;margin-left:32px}#ccc .vendor-details{font-
size:.75rem;margin-bottom:16px}#ccc .vendor-details h4{margin:.5rem
0}#ccc .ccc-title.ccc-title--iab{margin-bottom:1rem}#ccc .iab-header-
toggle{align-items:center;display:flex;margin-bottom:1rem}#ccc .iab-header-
toggle .ccc-title{margin:0 0 0 16px}#ccc .iab-header-toggle .ccc-vendor-reveal
svg{margin:0}#ccc .iab-vendor-toggle .checkbox-toggle{top:auto}#ccc .iab-
vendor-toggle h3{padding-right:180px}#ccc .iab-disclosure-load{align-
items:center;display:flex}#ccc .iab-disclosure-load button{margin-
right:12px}#ccc .iab-disclosure-load a{text-decoration:none}#ccc .iab-
disclosure-load a>span{position:relative;top:-2px}#ccc .iab-disclosure-load
a>.ccc-svg-element{top:4px}#ccc .iab-disclosure-table{border-
collapse:collapse;margin:2em 0;width:100%}#ccc .iab-disclosure-table
td,#ccc .iab-disclosure-table th{border:1px solid}#ccc .iab-disclosure-table
thead td{border:none}#ccc .ccc-content--dark td,#ccc .ccc-content--dark
th{border-color:#fff}#ccc .iab-disclosure-table dl{display:grid;grid-
template:auto/1fr 1fr;width:150px}#ccc .iab-disclosure-table ul{list-
style:none}#ccc .iab-disclosure-table dl,#ccc .iab-disclosure-table
ul{margin:0;padding:0}#ccc .iab-disclosure-table dd,#ccc .iab-disclosure-table
dt,#ccc .iab-disclosure-table li{border-bottom:1px solid
rgba(0,0,0,.1);margin:0;padding:.3em .5em}#ccc .ccc-content--dark .iab-
disclosure-table dd,#ccc .ccc-content--dark .iab-disclosure-table dt,#ccc .ccc-
content--dark .iab-disclosure-table li{border-bottom:1px solid
hsla(0,0%,100%,.1)}#ccc .ccc-content--dark .iab-disclosure-table li:last-
child{border:none}#ccc .iab-disclosure-table td,#ccc .iab-disclosure-table
th{padding:1em;vertical-align:top}#ccc .iab-disclosure-table tr:nth-child(2n)
{background:rgba(0,0,0,.1)}#ccc .ccc-content--highlight .ccc-
tabbable:hover{outline:auto}</style><style>#ccc,#ccc button {font-family:
fsemeric,arial,san-serif !important;}#ccc #ccc-content,#ccc #ccc-notify
{background-color:#262626 !important;}#ccc h2,#ccc h3 {font-size:1.1em !
important;}#ccc,#ccc p,#ccc .third-party-cookie-link {font-size:14px !
important;}#ccc #ccc-title {font-size:1.4em !important;}#ccc .checkbox-toggle-
on,#ccc .checkbox-toggle-off {color:#262626 !
important;}#ccc .checkbox-toggle-toggle {background-color:#262626 !
important;}#ccc .checkbox-toggle {background-color:#f5f5f5 !important;
border-color:#f5f5f5 !important;}#ccc .ccc-notify-button.ccc-accept-button,
#ccc .ccc-notify-button.ccc-accept-button span,#ccc .ccc-notify-button.ccc-
close-button,#ccc .ccc-notify-button.ccc-close-button span {color:#262626 !
important;}#ccc .ccc-notify-button.ccc-accept-button,#ccc .ccc-notify-
button.ccc-accept-button span,#ccc .ccc-notify-button.ccc-close-button,
#ccc .ccc-notify-button.ccc-close-button span {background-color:#b9db0c !
important;border-color:#b9db0c !important;}</style><meta http-
equiv="origin-trial"
content="AzoawhTRDevLR66Y6MROu167EDncFPBvcKOaQispTo9ouEt5LvcBjnRFq
iABYRT+2cDHG1Yj4dXwpLeIhc98/
glAAACFeyJvcmlnaW4iOiJodHRwczovL2RvdWJsZWNSaWNrLm5ldDo0NDMiLCJmZ
WF0dXJlIjojUHJpdmFjeVNHbmRib3hBZHNBUElZliwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJ
pc1N1YmRvbWFPbil6dHJlZSwiaXNUaGlyZFBhcjR5Ij0cnVlfQ=="><meta http-
equiv="origin-trial"
content="A6+nc62kbJgC46ypOwRsNW6RkDn2x7tgRh0wp7jb3DtFF7oEhu1hhm4r
dZH6zXvnKZLIYcBIQUImC4d3kKihAcAAACLeyJvcmlnaW4iOiJodHRwczovL2dvb2d
sZXN5bmRpyY2F0aW9uLmNvbTo0NDMiLCJmZWV0dXJlIjojUHJpdmFjeVNHbmRib3h

```

BZHNBUeIzliwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1N1YmRvbWFpbil6dHJ1ZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><meta http-equiv="origin-trial" content="A/9La288e7MDEU2ifusFnMg1C2lj6uoa/Z/ylwJIXSsWfK37oESIPxbxt4IU86OGqDEPnNVruUiMjfk065H/CQwAAACLeYjvcmlnaW4iOiJodHRwczovL2d3b2dsZXRhZ3NlcnZpY2VzLmNvbTo0NDMiLCJmZWFOdXJlIjoUjHjpdMjFjeVnVhbmRib3hBZHNBUeIzliwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1N1YmRvbWFpbil6dHJ1ZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><script src="https://securepubads.g.doubleclick.net/gpt/pubads_impl_2022072702.js" async=""></script><link rel="preload" href="https://adservice.google.co.uk/adsid/integrator.js? domain=www.metoffice.gov.uk" as="script"><script type="text/javascript" src="https://adservice.google.co.uk/adsid/integrator.js? domain=www.metoffice.gov.uk"></script><link rel="preload" href="https://adservice.google.com/adsid/integrator.js? domain=www.metoffice.gov.uk" as="script"><script type="text/javascript" src="https://adservice.google.com/adsid/integrator.js? domain=www.metoffice.gov.uk"></script><meta http-equiv="origin-trial" content="A9wkrvp9y21k30U9IU7MJMjBj4USjLrGwV+Z8zO3J3ZBH139DOnCv3XLK2li40S94HG1SZ/Zeg2GSHOD3wIWngYAAAB7eyjvcmlnaW4iOiJodHRwczovL3d3dy5nb29nbGV0YWdtYW5hZ2VyLmNvbTo0NDMiLCJmZWFOdXJlIjoUjHjpdMjFjeVnVhbmRib3hBZHNBUeIzliwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1RoXjJkUGFydHkiOnRydWV9"><script type="text/javascript" async="" src="https://googleads.g.doubleclick.net/pagead/viewthroughconversion/823950598/? random=1659422615461&cv=9&fst=1659422615461&num=1&bg=ffffff&guid=ON&resp=GooglemKTybQhCsO&u_h=844&u_w=390&u_ah=844&u_aw=390&u_cd=32&u_his=5&u_tz=60&u_java=false&u_nplug=0&u_nmime=0>m=2wg7r0&sendb=1&ig=1&frm=0&url=https%3A%2F%2Fwww.metoffice.gov.uk%2Fweather%2Fclimate%2Fuk-climate&ref=https%3A%2F%2Fwww.metoffice.gov.uk%2F&tiba=UK%20climate%20-%20Met%20Office&gpr_consent=CPdF8uyPdF8uyEDAJBENCaCsAP_AAH_AAAwII7Nf_X_b3_j-_5_t0eY1f9_7_-0zjhfdt-8N3f_X_L8X_2M7vF36pq4KuR4ku3bBIQdlHOncTUMx6oIVrzPsbk2cr7NKJ7Pkmnsbe2dYGH9_n9_z_ZKZ7_7_-v_3_997f3_9_8Edmv_r_t7_z_f9_26PMav-9_aZxwvu2_eG7v_r_l-L_7Gd3i79W18FXI8SXbtgkIO2jnTujqTY9USq15n2NybOV9mIE_nyTT2NvbOsDD-_z_5_slM9_9_3_-AA&gpr=1&hn=www.googleadservices.com&async=1&fmt=3&fmt=4"></script><script src="https://s2.getsitecontrol.com/widgets/es6/runtime.bc4da13.js"></script></head><body class="user-tabbing tcf-p1 tcf-p2 tcf-p3 tcf-p4"><div id="ccc" role="region" aria-label="Cookie preferences" aria-live="polite" style="z-index: 2147483647;"></div><script src="/webfiles/1658483350597/js/common/set-body-class.js"></script><script src="/webfiles/1658483350597/js/common/run-ab-test.js"></script><div id="lead-ad-spacer" style="min-height: 0px;"><div class="draggable-advert forecastLeader" id="forecastLeader" style="display: none;"></div></div></body></html>

```

let leadAdSpacer= document.getElementById("lead-ad-spacer");
leadAdSpacer.style.minHeight =
window.metoffice.advertising.allocateLeaderAdspotSpace;
</script>
<header id="header">
<div id="skiplink-container" tabindex="0">
<a href="#content" id="skiplink" class="skiplink">Skip to main content</a>
</div>
<div class="upper">
<div class="upper-container container row middle-xs">
<div class="logo col-xs-6 col-sm-8 col-lg-2">
<a href="/"></a>
</div>
<div class="col-xs-6 col-sm-4 hide-lg no-js-hide menu-button">
<button class="mobile-settings" data-settings-control="true"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span>
</button>
<button id="menu-button" aria-haspopup="true" aria-controls="lower-
container">Menu</button>
</div>
<nav aria-label="first level" class="top-menu has-edit-button col-lg-10 show-lg
hide-sm hide-xs">
<ul id="top-level-menu">
<li><a href="/weather" data-topmenu-id="0" aria-controls="menu0" aria-
expanded="true">Weather & climate</a></li>
<li><a href="/research" data-topmenu-id="1" aria-controls="menu1">Research
programmes</a></li>
<li><a href="/services" data-topmenu-id="2" aria-
controls="menu2">Services</a></li>
<li><a href="/about-us" data-topmenu-id="3" aria-controls="menu3">About
us</a></li>
</ul>
</nav>
</div>
</div>
<div class="lower">
<div id="lower-container" class="lower-container container row middle-lg" data-
nav="false" data-second-nav="false" data-search="false">
<div class="logo-container">
<div class="logo col-xs-8 col-lg-2">
<a id="menu-open-logo" href="/"><span class="mo-logo">Met
Office</span></a>
</div>
<div class="menu-button col-xs-4 hide-lg no-js-hide">
<button id="close-menu-button" type="button" value="Close" aria-
controls="lower-container" aria-label="Close menu" title="Close menu">
<span class="icon" data-type="global" data-value="close" aria-
hidden="true"></span>
</button>
</div>

```

```

</div>
<form id="site-search-form" class="search-form col-xs-12" role="search"
action="/search" method="get">
<label for="site-search-input" class="off-screen no-js-hide">Search site</label>
<input id="site-search-input" type="search" class="col-sm-11"
placeholder="Search" name="query" autocomplete="off" required="">
<button type="submit" tabindex="-1" value="Search" title="Search" class="col-
sm-1 col-lg-offset-0">
<span class="icon" data-type="global" data-value="search">Search</span>
</button>
<button id="close-search-button" type="button" title="Close" value="Close"
class="no-js-hide">
<span class="icon" data-type="global" data-value="close">x</span>
</button>
</form> <div class="third-level-back col-xs-12 col-lg-12 col-lg-offset-0">
<span id="third-level-back" class="row middle-xs" role="button" tabindex="0"
aria-label="Back to second level menu">

<span>Back</span>
</span>
</div>
<nav aria-label="second level" id="secondary-nav" class="main-menu col-xs-12
col-sm-12 col-lg-11 col-lg-offset-0 no-js-show">
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="0" data-toggle="true"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-0" href="/weather" class="selected">
<div>
<span class="menu-link-text">Weather & climate</span>
<div id="menu-desc-0" class="menu-desc hide-lg">
<span>Everything you need to know about the forecast, and making the most of
the weather.</span>
</div>
</div>

</a>
</div>
<ul id="menu0" data-submenu-id="0" data-toggle="true">
<li>
<a href="/" data-index="0">
Find a forecast

</a>
</li>
<li data-children="true">
<a href="/weather/warnings-and-advice" aria-haspopup="true" aria-
controls="menu0Sub1" data-index="1">
Warnings & advice

```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Warnings & advice</div>
<ul id="menu0Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/warnings-and-advice/uk-warnings" data-index="0">
UK weather warnings

</a>
</li>
<li>
<a href="/weather/warnings-and-advice/uk-storm-centre/index" data-
index="1">
UK Storm Centre

</a>
</li>
<li>
<a class="last" href="/weather/warnings-and-advice/seasonal-advice" data-
index="2">
Seasonal advice

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" aria-
haspopup="true" aria-controls="menu0Sub2" data-index="2">
Maps & charts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Maps & charts</div>
<ul id="menu0Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
```

```
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" data-
index="0">
UK weather map

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/weather/maps-and-charts/rainfall-radar-
forecast-map" data-index="1">
New map beta

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/public/weather/observation/rainfall-
radar" data-index="2">
UK rainfall radar

</a>
</li>
<li>
<a href="/weather/forecast/uk" data-index="3">
UK forecast

</a>
</li>
<li>
<a href="/weather/maps-and-charts/surface-pressure" data-index="4">
Surface pressure charts

</a>
</li>
<li>
<a class="last" href="/weather/world/list" data-index="5">
All countries

</a>
</li>
</ul>
</div>
</nav>
</li>
```



```
<li data-children="true" class="selected">
<a href="/weather/climate" aria-haspopup="true" aria-controls="menu0Sub3"
data-index="3">
Climate

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate</div>
<ul id="menu0Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/climate/climate-explained/index" data-index="0">
Climate explained

</a>
</li>
<li>
<a href="/weather/climate-change/what-is-climate-change" data-index="1">
What is climate change?

</a>
</li>
<li>
<a href="/weather/climate-change/causes-of-climate-change" data-index="2">
Causes of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/effects-of-climate-change" data-index="3">
Effects of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/climate-change-questions" data-index="4">
Climate change questions

</a>
</li>
</li>
<li class="selected">
```

```
<a href="/weather/climate/uk-climate" data-index="5">
UK climate

</a>
</li>
<li>
<a href="/weather/climate/science" data-index="6">
Climate science

</a>
</li>
<li>
<a class="last" href="/weather/climate-change/organisations-and-reports" data-
index="7">
Organisations and reports

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/specialist-forecasts" aria-haspopup="true" aria-
controls="menu0Sub4" data-index="4">
Specialist forecasts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Specialist forecasts</div>
<ul id="menu0Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/specialist-forecasts/coast-and-sea" data-index="0">
Coast and Sea

</a>
</li>
<li>
<a href="/weather/specialist-forecasts/mountain" data-index="1">
Mountain
```

```

</a>
</li>
<li>
<a class="last" href="/weather/specialist-forecasts/space-weather" data-
index="2">
Space Weather

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/learn-about" aria-haspopup="true" aria-
controls="menu0Sub5" data-index="5">
Learn about...

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Learn about...</div>
<ul id="menu0Sub5" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/learn-about/past-uk-weather-events" data-index="0">
Past UK weather events

</a>
</li>
<li>
<a href="/weather/learn-about/weather" data-index="1">
Weather

</a>
</li>
<li>
<a href="/weather/learn-about/how-forecasts-are-made" data-index="2">
How forecasts are made

</a>
```

```
</li>
<li>
<a class="last" href="/weather/learn-about/met-office-for-schools" data-
index="3">
Met Office for Schools

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="1" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-1" href="/research">
<div>
<span class="menu-link-text">Research programmes</span>
<div id="menu-desc-1" class="menu-desc hide-lg">
<span>The latest breakthroughs, research and news from the Met
Office.</span>
</div>
</div>

</a>
</div>
<ul id="menu1" data-submenu-id="1" data-toggle="false">
<li data-children="true">
<a href="/research/approach/index" aria-haspopup="true" aria-
controls="menu1Sub0" data-index="0">
Our approach

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Our approach</div>
<ul id="menu1Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/approach/overview" data-index="0">
Overview by our Chief Scientist

</a>
</li>
```

```
<li>
<a href="/research/approach/how-met-office-science-is-reviewed" data-
index="1">
How Met Office science is reviewed

</a>
</li>
<li>
<a href="/research/approach/collaboration" data-index="2">
Collaboration

</a>
</li>
<li>
<a href="/research/approach/modelling-systems" data-index="3">
Modelling systems

</a>
</li>
<li>
<a href="/research/approach/monitoring" data-index="4">
Monitoring

</a>
</li>
<li>
<a class="last" href="/research/approach/our-scientists/people" data-
index="5">
Our scientists

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/weather" aria-haspopup="true" aria-controls="menu1Sub1"
data-index="1">
Weather science

</a>
```

```
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Weather science</div>
<ul id="menu1Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/weather/atmospheric-dispersion" data-index="0">
Atmospheric dispersion and air quality

</a>
</li>
<li>
<a href="/research/weather/data-assimilation" data-index="1">
Data assimilation

</a>
</li>
<li>
<a href="/research/weather/ensemble-forecasting" data-index="2">
Ensemble forecasting

</a>
</li>
<li>
<a href="/research/weather/observations-research" data-index="3">
Observations research and development

</a>
</li>
<li>
<a href="/research/weather/ocean-forecasting" data-index="4">
Ocean forecasting

</a>
</li>
<li>
<a href="/research/weather/research-to-operations" data-index="5">
Research to operations

</a>
</li>
</li>
```

```
<a href="/research/weather/satellite-applications" data-index="6">
Satellite applications

</a>
</li>
<li>
<a href="/research/weather/verification-impacts-and-post-processing" data-
index="7">
Verification, impacts and post-processing

</a>
</li>
<li>
<a class="last" href="/research/weather/weather-science-it" data-index="8">
Weather science IT

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/climate" aria-haspopup="true" aria-controls="menu1Sub2"
data-index="2">
Climate science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate science</div>
<ul id="menu1Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/climate/cryosphere-oceans" data-index="0">
Climate, cryosphere and oceans

</a>
</li>
<li>
<a href="/research/climate/climate-impacts" data-index="1">
Climate impacts
```

```

</a>
</li>
<li>
<a href="/research/climate/climate-monitoring/index" data-index="2">
Climate monitoring and attribution

</a>
</li>
<li>
<a href="/research/climate/earth-system-science" data-index="3">
Earth system science

</a>
</li>
<li>
<a href="/research/climate/seasonal-to-decadal" data-index="4">
Monthly to decadal prediction

</a>
</li>
<li>
<a href="/research/climate/maps-and-data" data-index="5">
UK climate maps and data

</a>
</li>
<li>
<a class="last" href="/research/climate/understanding-climate" data-
index="6">
Understanding climate change

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/applied" aria-haspopup="true" aria-controls="menu1Sub3"
data-index="3">
Applied science
```



```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Applied science</div>
<ul id="menu1Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/applied/aviation" data-index="0">
Aviation applications

</a>
</li>
<li>
<a href="/research/applied/international" data-index="1">
Climate information for international development

</a>
</li>
<li>
<a href="/research/applied/climate-security" data-index="2">
Climate security

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="3">
Climate services

</a>
</li>
<li>
<a href="/research/applied/defence" data-index="4">
Defence applications

</a>
</li>
<li>
<a href="/research/applied/post-processing" data-index="5">
Post-processing applications
```

```

</a>
</li>
<li>
<a href="/research/applied/science-for-impacts-resilience-and-adaptation" data-
index="6">
Science for Impacts, Resilience and Adaptation (SIRA)

</a>
</li>
<li>
<a class="last" href="/research/applied/science-health-strategy" data-
index="7">
Science health strategy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/foundation" aria-haspopup="true" aria-
controls="menu1Sub4" data-index="4">
Foundation science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Foundation science</div>
<ul id="menu1Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/foundation/parametrizations" data-index="0">
Atmospheric processes and parametrizations

</a>
</li>
<li>
<a href="/research/foundation/dynamics" data-index="1">
Dynamic research

```

```
</a>
</li>
<li>
<a href="/research/foundation/global-modelling" data-index="2">
Global modelling

</a>
</li>
<li>
<a href="/research/foundation/informatics-lab/index" data-index="3">
Informatics Lab

</a>
</li>
<li>
<a href="/research/foundation/observational-studies" data-index="4">
Observation-based research

</a>
</li>
<li>
<a class="last" href="/research/foundation/regional-model-evaluation-and-
development/index" data-index="5">
Regional model evaluation and development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/research/library-and-archive" data-index="5">
Library

</a>
</li>
<li>
<a href="/research/news" data-index="6">
News

</a>
```

```
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="2" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-2" href="/services">
<div>
<span class="menu-link-text">Services</span>
<div id="menu-desc-2" class="menu-desc hide-lg">
<span>Support your business with world-leading science and
technology.</span>
</div>
</div>

</a>
</div>
<ul id="menu2" data-submenu-id="2" data-toggle="false">
<li data-children="true">
<a href="/services/government" aria-haspopup="true" aria-
controls="menu2Sub0" data-index="0">
Government

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Government</div>
<ul id="menu2Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/government/defence-and-security" data-index="0">
Defence and security

</a>
</li>
<li>
<a href="/services/government/devolved-administrations" data-index="1">
Devolved administrations

</a>
</li>
<li>
<a href="/services/government/environmental-hazard-resilience" data-
index="2">
Environmental Hazard and Resilience Services
```

```

</a>
</li>
<li>
<a class="last" href="/services/government/international-development" data-
index="3">
International development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/transport" aria-haspopup="true" aria-controls="menu2Sub1"
data-index="1">
Transport

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Transport</div>
<ul id="menu2Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/transport/aviation/commercial" data-index="0">
Aviation commercial

</a>
</li>
<li>
<a href="/services/transport/aviation/regulated" data-index="1">
Aviation regulated

</a>
</li>
<li>
<a href="/services/transport/cav" data-index="2">
CAV

</a>
```

```
</li>
<li>
<a href="/services/transport/marine" data-index="3">
Marine

</a>
</li>
<li>
<a href="/services/transport/rail" data-index="4">
Rail

</a>
</li>
<li>
<a class="last" href="/services/transport/road" data-index="5">
Road

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/business-industry" aria-haspopup="true" aria-
controls="menu2Sub2" data-index="2">
Business & industry

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Business & industry</div>
<ul id="menu2Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/business-industry/agriculture" data-index="0">
Agriculture

</a>
</li>
<li>
<a href="/services/business-industry/construction" data-index="1">
Construction
```

```

</a>
</li>
<li>
<a href="/services/business-industry/energy" data-index="2">
Energy

</a>
</li>
<li>
<a href="/services/business-industry/event-management" data-index="3">
Event management

</a>
</li>
<li>
<a href="/services/business-industry/legal-insurance" data-index="4">
Legal and insurance

</a>
</li>
<li>
<a href="/services/business-industry/media" data-index="5">
Media

</a>
</li>
<li>
<a href="/services/business-industry/mining" data-index="6">
Mining

</a>
</li>
<li>
<a href="/services/business-industry/retail" data-index="7">
Retail

</a>
</li>
<li>
```

```
<a class="last" href="/services/business-industry/water" data-index="8">
Water

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/data" aria-haspopup="true" aria-controls="menu2Sub3"
data-index="3">
Data

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Data</div>
<ul id="menu2Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a class="last" href="/services/data" data-index="0">
Weather and climate data

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/research-consulting" aria-haspopup="true" aria-
controls="menu2Sub4" data-index="4">
Research & consulting

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Research & consulting</div>
<ul id="menu2Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/research-consulting/access-a-meteorologist" data-
index="0">
Access a meteorologist
```



```

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="1">
Climate service

</a>
</li>
<li>
<a href="/services/research-consulting/international-programmes" data-
index="2">
International programmes

</a>
</li>
<li>
<a class="last" href="/services/research-consulting/weather-climate-
consultancy" data-index="3">
Weather and climate consultancy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/services/insights" data-index="5">
Insights

</a>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="3" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-3" href="/about-us">
<div>
<span class="menu-link-text">About us</span>
<div id="menu-desc-3" class="menu-desc hide-lg">
<span>Who we are, what we do and organisational news.</span>
</div>
```

```
</div>

</a>
</div>
<ul id="menu3" data-submenu-id="3" data-toggle="false">
<li>
<a href="/about-us/who" data-index="0">
Who we are

</a>
</li>
<li data-children="true">
<a href="/about-us/supplying-the-met-office" aria-haspopup="true" aria-
controls="menu3Sub1" data-index="1">
Supplying the Met Office

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Supplying the Met Office</div>
<ul id="menu3Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/supplying-the-met-office/advertising/sponsorship-
opportunities" data-index="0">
Advertising

</a>
</li>
<li>
<a class="last" href="/about-us/supplying-the-met-office/procurement" data-
index="1">
Procurement

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/press-office" aria-haspopup="true" aria-
controls="menu3Sub2" data-index="2">
Press Office
```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Press Office</div>
<ul id="menu3Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/press-office/news/weather-and-climate" data-index="0">
Weather and climate news

</a>
</li>
<li>
<a href="/about-us/press-office/news/corporate" data-index="1">
Corporate news

</a>
</li>
<li>
<a href="https://blog.metoffice.gov.uk/" data-index="2">
News blog

</a>
</li>
<li>
<a href="/about-us/press-office/media-resources/podcasts" data-index="3">
Podcasts

</a>
</li>
<li>
<a class="last" href="/about-us/press-office/contact-press-office" data-
index="4">
Contact the Press Office

</a>
</li>
</ul>
</div>
</nav>
</li>
```

```
<li data-children="true">
<a href="/about-us/careers" aria-haspopup="true" aria-controls="menu3Sub3"
data-index="3">
Careers

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Careers</div>
<ul id="menu3Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/careers/working-here" data-index="0">
Working at the Met Office

</a>
</li>
<li>
<a href="/about-us/careers/your-career" data-index="1">
Your career

</a>
</li>
<li>
<a href="/about-us/careers/vacancies" data-index="2">
Vacancies

</a>
</li>
<li>
<a href="/about-us/careers/rewards-and-benefits" data-index="3">
Rewards and benefits

</a>
</li>
<li>
<a href="/about-us/careers/equality-diversity-and-inclusion" data-index="4">
Equality, diversity and inclusion

</a>
</li>
<li>
```

```
<a class="last" href="/about-us/careers/apprentices-graduates-and-placements"
data-index="5">
Apprentices, graduates and placements

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/contact" aria-haspopup="true" aria-controls="menu3Sub4"
data-index="4">
Contact us

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Contact us</div>
<ul id="menu3Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/contact" data-index="0">
Contact details

</a>
</li>
<li>
<a href="/forms/website-feedback" data-index="1">
Feedback form

</a>
</li>
<li>
<a class="last" href="/about-us/contact/in-exeter" data-index="2">
How to find us

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
```

```

</div>
</nav>
<hr class="main-menu-divider col-xs-12 hide-lg">
<div id="nav-control" class="nav-control col-xs-12 col-lg-1 col-lg-offset-0">
<div id="nav-control-buttons" class="nav-control-buttons">
<div>
<button id="settings-button" data-settings-control="true" class="hide-xs show-
lg no-js-hide"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span><span
class="icon-label">Settings</span>
</button>
</div>
<div role="search">
<a role="button" id="search-button" href="/search">
<span class="icon" role="img" data-type="global" data-value="search"
title="Expand search"></span>
</a>
</div>
</div>
</div>
<div id="affiliate-links" class="affiliate-links hide-lg"></div>
</div>
</div>
<div class="print-header" aria-hidden="true">

</div>
</header>
<main id="content">
<div class="advert-container">

</div>
<div class="hero">
  
 </div>  
 <div class="wrap-3-col">  
 <div class="wrap-3-left">  
 <div class="advert-container">  
 <div class="draggable-advert skyLeft" id="skyLeft" style="display:  
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 </div>  
 </div>  
 <div class="wrap-3-mid">  
 <div class="content-container">  
 <article class="has-edit-button content">  
 <div class="article-content">  
 <h1 class="article-heading">  
 UK climate  
 </h1>  
 <div class="share-line"><hr></div>  
 <div class="row content-top">  
 <div class="col">  
 <p class="learn-article-tagline" data-swiftype-name="tagline" data-swiftype-  
 type="text">The Met Office is responsible for monitoring and modelling the UK's  
 climate. We collect weather and climate records, assess how the UK's climate  
 may evolve in the future, and provide advice to manage climate-related  
 risks.</p>  
 <div data-swiftype-name="body" data-swiftype-type="text">  
 <div class="article-body"><p>We collect <a href="/research/climate/maps-  
 and-data">weather and climate records for the UK</a>. This information helps  
 us monitor the UK's climate and how it is changing over time. Here, you'll find all  
 of our climate data, including:</p>  
 <ul>  
 <li><a href="/research/climate/maps-and-data/summaries/index">Climate  
 summaries</a></li>  
 <li><a  
 href="/research/climate/maps-and-data/regional-climates/index">Regional  
 climate information</a></li>  
 <li><a href="/research/climate/maps-and-data/historic-station-data">Historic  
 station data</a></li>  
 <li><a href="/research/climate/maps-and-data/uk-climate-extremes">UK  
 climate extremes</a></li>  
 <li><a href="https://www.metoffice.gov.uk/research/climate/maps-and-data/uk-  
 climate-averages">UK climate averages</a></li>  
 <li><a href="/research/climate/maps-and-data/uk-temperature-rainfall-and-  
 sunshine-time-series">UK temperature, rainfall and sunshine data</a></li>  
 </ul>  
 <p>The Met Office also developed the <a  
 href="/research/approach/collaboration/ukcp">UK Climate Projections  
 (UKCP)</a>, which assesses how the climate of the UK may change over time.  
 The UKCP web pages include:</p>  
 <ul>

[Headline findings and key results](/research/approach/collaboration/ukcp/summaries/headline-findings)

[Information about the UKCP project](/research/approach/collaboration/ukcp/about/what-is-ukcp)

[Guidance on how to use the climate projections](/pagenotfound)

[Information and links to view and download UKCP data](/pagenotfound)

You can find out more about climate change in your local area in this [climate change visualisation tool](https://www.bbc.co.uk/news/resources/idt-d6338d9f-8789-4bc2-b6d7-3691c0e7d138).

This tool is a collaboration with the BBC. It combines our climate projections and records to visualise climate change in the UK.

[What will climate change look like near me?](https://www.bbc.co.uk/news/resources/idt-d6338d9f-8789-4bc2-b6d7-3691c0e7d138)

Human activity is having an increasing impact on our environment and the world we live in, while natural variations continue to influence our climate. This can affect the availability of fresh water, food security, health, and our wider social and economic infrastructure. As a global leader in climate science, the Met Office provide [weather and climate consultancy and services](/services/research-consulting/climate-service/climate-service-uk) to respond to a changing climate.

Different regions across the UK create varying levels of emissions. The [National Atmospheric Emissions Inventory \(NAEI\)](https://naei.beis.gov.uk/) contains a [map of UK emissions](https://naei.beis.gov.uk/emissionsapp/), including greenhouse gases and air pollutants. This is overseen by the Greenhouse Gas Inventory team at the Department for Business, Energy and Industrial Strategy (BEIS). There are also the key statistics showing [greenhouse gas emissions](https://www.gov.uk/government/collections/uk-greenhouse-gas-emissions-statistics) and [air pollutants](https://www.gov.uk/government/statistics/emissions-of-air-pollutants) in the UK on the gov.uk website.

Stay up to date with the latest climate news.

Our climate newsletter shares research and news to give you the latest updates on climate science. We publish the newsletter twice a month and it's easy to sign up.

Find out more and sign up to the [climate newsletter](/about-us/press-office/media-resources/climate-newsletter).



```
<section class="learn-articles-block preview-block no-print" aria-
labelledby="child-articles-heading">
<h2 id="child-articles-heading" class="off-screen">Featured</h2>
<ul class="items heading-hidden">
<li class="preview-block-component">

<div class="image lazy" data-class="preview-block-image-e886f29f-7525-40a9-
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c=0;c<b.length;c++)a+=String.fromCharCode(b.charCodeAt(c)^&quot;\u0003\  
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%10));this.g=JSON.parse(a)}catch(b){}};z;const C=RegExp(&quot;^https?:/(\\  
w|-)+\\.cdn\\.ampproject\\.([net|org])/?/|\$&quot;); function D(){var a=l;const  
b=[];let c=null,d;do{d=a;try{var e;if(e!==d&&null!==d.location.href)b:  
{try{t(d.foo);e=!0;break b}catch(h){}e=!1}var f=e}catch{f=!1}if(f){var  
g=d.location.href;c=d.document&&d.document.referrer||null}else  
g=c,c=null;b.push(new E(g[&quot;&quot;]))}try{a=d.parent}catch(h)

```

{a=null}}while(a&&d!=a);for(let h=0,k=b.length-1;h<=k;+
+h)b[h].depth=k-
h;d=l;if(d.location&&d.location.ancestorOrigins&&d.location.
ancestorOrigins.length==b.length-1)for(a=1;a<b.length;++a)g=b[a],g.url||
(g.url=d.location.ancestorOrigins[a-1]||"";g.h=!0);return b}function
F(a){a=a||D();let b=new E(l.location.href,!1),c=null;const d=a.length-1;for(var
e=d;0<=e;--e){var f=a[e];!c&&C.test(f.url)&&
(c=f);if(f.url&&!f.h)
{b=f;break}}e=null;f=a.length&&a[d].url;0!
=b.depth&&f&&(e=a[d]);return new G(b,e,c)}var
G=class{constructor(a,b,c)
{this.i=a;this.j=b;this.g=c}},E=class{constructor(a,b){this.url=a;this.h=!
b;this.depth=null}},function H(a,b,c,d,e){const f=[];u(a,function(g,h)
{(g=l(g,b,c,d,e))&&f.push(h+"="+g)});return
f.join(b)}function l(a,b,c,d,e){if(null==a)return"";b=b||
"&&c||",$";"string"==typeof
c&&(c=c.split(""));if(a instanceof Array){if(d=d||
0,d<c.length){const f=[];for(let g=0;g<a.length;g+
+)f.push(l(a[g],b,c,d+1,e));return f.join(c[d])}}else
if("object"==typeof a)return e=e||0,2>e?
encodeURIComponent(H(a,b,c,d,e+1)):"...";return
encodeURIComponent(String(a))};class J{constructor(a,b)
{this.g=a;this.depth=b}}var L=()=>{var a=D();const b=Math.max(a.length-
1,0);var c=F(a);a=c.i;var d=c.j;const e=c.g,f=[];c=(h,k)=>null==h?
k:h&&f.push(new J([e.url,e.h?2:0],c(e.depth,1)));d&&d!
=e&&f.push(new J([d.url,2],0));a.url&&a!
=e&&f.push(new J([a.url,0],c(a.depth,b)));const g=p(f,
(h,k)=>f.slice(0,f.length-k));!a.url||(e||d)&&a!=e||(d=/https?:VV[^V]
+/.exec(a.url)?.[0]?"")&&g.push([new
J([d,1],c(a.depth,b))]);g.push([]);return p(g,h=>K(b,h))};function K(a,b){const
c=q(b,
(e,f)=>Math.max(e,f.depth)),d=r(c+2);d[0]=a;n(b,e=>d[e.depth+1]=e.g);return
d}var M=()=>{const a=L();return p(a,b=>l(b))};w=75;window.rfl=function(a)
{try{var b=Number(0==(y())||0)?2083:y());const c=M();c.pop();const d=b-
a.length-5;for(b=0;b<c.length;b++){const
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Edge/.test(h)?0:1;h&&g.navigator.sendBeacon?
g.navigator.sendBeacon(f):(g.google_image_requests||
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Met Office College

National Meteorological Library
& Archive

Weather Observations Website
(WOW)

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Accessibility

Privacy policy

Cookie policy

Legal

Email updates

RSS

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"@type": "Article",
```

```

"mainEntityOfPage": {
"@type": "WebPage",
"@id": "https://www.metoffice.gov.uk/weather/climate/uk-climate"
},
"author": {
"@type": "Organization",
"name": "Met Office"
},
"publisher": {
"@type": "Organization",
"name": "Met Office",
"logo": {
"@type": "ImageObject",
"url": "https://www.metoffice.gov.uk/static/images/logo/default_card_315.jpg"
}
},
"headline": "UK climate",
"image":
"https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/hero-images/uk-climate/uk_climate_anomaly_maps_relative_to_1961-1990.jpg/uk_climate_anomaly_maps_relative_to_1961-1990.jpg/metofficegovuk%3AheroXXLarge",
"description": "The Met Office is responsible for monitoring and modelling the UK's climate. We collect weather and climate records, assess how the UK's climate may evolve in the future, and provide advice to manage climate-related risks.",
"url": "https://www.metoffice.gov.uk/weather/climate/uk-climate"
}
//]]>
</script>
<script>window['gtag_enable_tcf_support'] = true;</script>
<script type="text/javascript">
```



```
<iframe name="__tcfapiLocator" style="display: none;"></iframe><script
type="text/javascript" id="">"function"===typeof
window.metoffice.getSiteControl&&(window.metoffice.getSiteControl([{ids:
["56077","56249"],percentageOfUsers:4,timeoutDays:28},{ids:
["108854"],percentageOfUsers:10,timeoutDays:28}]),window.metoffice.getSiteC
ontrol([{ids:
["207010"],percentageOfUsers:50,timeoutDays:14}]),window.metoffice.getSiteC
ontrol([{ids:["207076"],percentageOfUsers:50,timeoutDays:14}]));</script>
<script type="text/javascript" id=""
src="//l.getsitecontrol.com/v7nkzx97.js"></script><iframe
src="https://www.google.com/recaptcha/api2/iframe" width="0" height="0"
style="display: none;"></iframe></body></html>
```

```
<html lang="en"><head>
<link rel="preconnect" href="https://cc.cdn.civiccomputing.com"
crossorigin="anonymous">
<link rel="preload" href="/webfiles/1658483350597/js/common/set-body-
class.js" as="script">
<link rel="preload" href="/webfiles/1658483350597/js/common/run-ab-test.js"
as="script">
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=Edge">
<meta name="robots" content="max-image-preview:large">
<meta name="viewport" content="initial-scale=1.0, width=device-width,
viewport-fit=cover">
<meta name="eGMS.accessibility" content="A">
<meta name="eGMS.subject.category" content="Climate and weather">
<meta name="twitter:site" content="@metoffice">
<meta name="twitter:card" content="summary">
<meta property="fb:app_id" content="208580322593329">
<meta property="og:site_name" content="Met Office">
<meta property="og:type" content="website">
<meta property="og:url"
content="https://www.metoffice.gov.uk/weather/climate/science">
<link rel="icon" href="/favicon.png">
<link rel="icon" href="/favicon-dark.png" media="(prefers-color-scheme:dark)">
<link rel="manifest" href="/manifest.json">
<meta name="theme-color" content="#2a2a2a">
<meta property="og:image"
content="https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/
hero-images/advice/maps-satellite-images/satellite-image-of-globe.jpg">
<meta property="og:image:width" content="1920">
<meta property="og:image:height" content="960">
<meta name="google-site-verification"
content="LR7Q3483mkrmLcJJZpzlbl48mNnTbBDVzjA3GqT3Q2M">
<meta name="google-translate-customization" content="f8c19e614cd5ee7e-
37428b41ac444aca-gd1bc91f73b6940ae-14">
<link rel="canonical"
href="https://www.metoffice.gov.uk/weather/climate/science">
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/base.css"
type="text/css">
<script type="text/javascript" async=""
src="https://www.googleadservices.com/pagead/conversion_async.js"></
script><script type="text/javascript" async="" src="https://www.google-
```

```
analytics.com/analytics.js"></script><script type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
2MWC7FCEB2&hl=dataLayer&cx=c"></script><script
type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
K77XZ36FRH&hl=dataLayer&cx=c"></script><script gtm="GTM-
NG48PDS" type="text/javascript" async="" src="https://www.google-
analytics.com/gtm/optimize.js?id=GTM-WFR2SRH"></script><script async=""
src="https://www.googletagmanager.com/gtm.js?id=GTM-NG48PDS"></script>
<script src="/public/adhoc/mo-adhoc.js" defer=""></script>
<script src="/public/gdpr-consent/cookieControl-config.js"
defer="defer"></script>
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/breadcrumb.css"
type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/feedback-banner.css"
type="text/css">
<title>Climate science - Met Office</title>
<meta property="og:title" content="Climate science">
<meta name="title" data-type="string" class="swifttype" content="Climate
science">
<meta name="description" content="World-leading climate science at the Met
Office">
<meta property="og:description" content="World-leading climate science at the
Met Office">
<script type="text/javascript"
src="https://securepubads.g.doubleclick.net/tag/js/gpt.js"></script>
<script src="/webfiles/1658483350597/js/minified/advertising.min.js"></script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("ad-bottom","ad-
bottom",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice = window.metoffice || {};
window.metoffice.advertising = window.metoffice.advertising || {};
window.metoffice.advertising.addTargeting("env", "beta");
window.metoffice.advertising.addTargeting("warnings", "false");
//]]>
</script>
<script defer="defer" src="/webfiles/1658483350597/js/preview-block/lazy-load-
preview-block.js"></script>
<style>
/*<![CDATA[*]
.preview-block-image-0db3face-2a7f-4362-b2ef-37bbba055dc9 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/cloud/
altocumulus-cloud.jpg/altocumulus-cloud.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
```

```

.preview-block-image-0db3face-2a7f-4362-b2ef-37bbba055dc9 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/cloud/
altocumulus-cloud.jpg/altocumulus-cloud.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-0db3face-2a7f-4362-b2ef-37bbba055dc9 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/cloud/
altocumulus-cloud.jpg/altocumulus-cloud.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-0db3face-2a7f-4362-b2ef-37bbba055dc9 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/cloud/
altocumulus-cloud.jpg/altocumulus-cloud.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-7f77da42-815e-4351-a2ca-ed92ce760254 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/climate-change/
billows-of-smoke-pollution-rising-into-a-cloudy-sky.jpg/billows-of-smoke-pollution-
rising-into-a-cloudy-sky.jpg/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-7f77da42-815e-4351-a2ca-ed92ce760254 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/climate-change/
billows-of-smoke-pollution-rising-into-a-cloudy-sky.jpg/billows-of-smoke-pollution-
rising-into-a-cloudy-sky.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-7f77da42-815e-4351-a2ca-ed92ce760254 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/climate-change/
billows-of-smoke-pollution-rising-into-a-cloudy-sky.jpg/billows-of-smoke-pollution-
rising-into-a-cloudy-sky.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-7f77da42-815e-4351-a2ca-ed92ce760254 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/climate-change/

```

```

billows-of-smoke-pollution-rising-into-a-cloudy-sky.jpg/billows-of-smoke-pollution-
rising-into-a-cloudy-sky.jpg/metofficegovuk%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-4dfd81e6-6235-407e-a3cb-00788121f3ae {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/earth-from-space.jpg/earth-from-space.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-4dfd81e6-6235-407e-a3cb-00788121f3ae {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/earth-from-space.jpg/earth-from-space.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-4dfd81e6-6235-407e-a3cb-00788121f3ae {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/earth-from-space.jpg/earth-from-space.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-4dfd81e6-6235-407e-a3cb-00788121f3ae {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/earth-from-space.jpg/earth-from-space.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-96296cdb-b14e-4835-9f13-ce54e637b290 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/storms/bleak-
stormy-seas.jpg/bleak-stormy-seas.jpg/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-96296cdb-b14e-4835-9f13-ce54e637b290 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/storms/bleak-
stormy-seas.jpg/bleak-stormy-seas.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
}

```

```

@media only screen and (min-width: 960px) {
.preview-block-image-96296cdb-b14e-4835-9f13-ce54e637b290 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/storms/bleak-
stormy-seas.jpg/bleak-stormy-seas.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-96296cdb-b14e-4835-9f13-ce54e637b290 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/storms/bleak-
stormy-seas.jpg/bleak-stormy-seas.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*/
.preview-block-image-e674d420-a18e-4fd7-a481-db588da08418 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/science/data-circling-
global-collaboration.jpg/data-circling-global-collaboration.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-e674d420-a18e-4fd7-a481-db588da08418 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/science/data-circling-
global-collaboration.jpg/data-circling-global-collaboration.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-e674d420-a18e-4fd7-a481-db588da08418 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/science/data-circling-
global-collaboration.jpg/data-circling-global-collaboration.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-e674d420-a18e-4fd7-a481-db588da08418 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/science/data-circling-
global-collaboration.jpg/data-circling-global-collaboration.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*/
.preview-block-image-24a6b8f2-81b6-4f9c-bd39-01ebb2e60edb {

```

```

background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-globe-temperatures.png/visual-cortex-globe-
temperatures.png/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-24a6b8f2-81b6-4f9c-bd39-01ebb2e60edb {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-globe-temperatures.png/visual-cortex-globe-
temperatures.png/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-24a6b8f2-81b6-4f9c-bd39-01ebb2e60edb {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-globe-temperatures.png/visual-cortex-globe-
temperatures.png/metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-24a6b8f2-81b6-4f9c-bd39-01ebb2e60edb {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-globe-temperatures.png/visual-cortex-globe-
temperatures.png/metofficegovuk%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<script>
//
window.metoffice.advertising.addSlotConfiguration("mpuOnly","mpuOnly",false);
//]]>
</script>
<link imagesizes="100vw" as="image"
imagesrcset="/binaries/content/gallery/metofficegovuk/hero-images/advice/
maps-satellite-images/satellite-image-of-globe.jpg/satellite-image-of-globe.jpg/
metofficegovuk%3AheroXXLarge 1920w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/satellite-image-of-globe.jpg/satellite-image-of-globe.jpg/metofficegovuk
%3AheroXLarge 1600w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/satellite-image-of-globe.jpg/satellite-image-of-globe.jpg/metofficegovuk
%3AheroLarge 1366w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/satellite-image-of-globe.jpg/satellite-image-of-globe.jpg/metofficegovuk
%3AheroMedium 1024w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/satellite-image-of-globe.jpg/satellite-image-of-globe.jpg/metofficegovuk
%3AheroSmall 768w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/satellite-image-of-globe.jpg/satellite-image-of-globe.jpg/metofficegovuk
</pre>
</div>
```

```
%3AheroXSmall 640w" rel="preload"
href="/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-
satellite-images/satellite-image-of-globe.jpg/satellite-image-of-globe.jpg/
metofficegovuk%3AheroMedium">
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyRight","skyRight",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyLeft","skyLeft",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("forecastLeader","forecastLe
ader",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.allocateLeaderAdspotSpace = (window.innerWidth
<= 1630 && window.innerWidth >= 975)?"130px":"0px"
//]]>
</script>
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/article.css"
type="text/css">
<script>
dataLayer = [];
</script>
<script src="https://cc.cdn.civiccomputing.com/9/cookieControl-9.6.1.min.js"
integrity="sha384-aqvfy6jjZz7P1H3oZsg8o0LwTPPzfe8oAUERJ960teK4rPG+
+iAX5I5gyu0iEzf" crossorigin="anonymous"></script><style>.ccc-disable-
scroll{overflow-y:scroll;position:fixed}#ccc{font-family:Arial,sans-serif;font-
size:16px;line-height:1.4em;position:fixed;z-index:2147483647}#ccc-
icon{background:transparent;border:0;bottom:0;cursor:pointer;height:80px;padd-
ing:0;position:fixed;width:80px;z-index:20}#ccc-icon.ccc-icon--left{left:0}#ccc-
icon.ccc-icon--right{right:0}#ccc-icon.ccc-icon--dark{fill:#000025}#ccc-
icon.ccc-icon--dark #star path{fill:#fff}#ccc-icon.ccc-icon--light{fill:#555}#ccc-
icon.ccc-icon--light #star path{fill:#f4f4f4}#ccc-overlay{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:fade-in;animation-
name:fade-in;-webkit-backface-visibility:hidden;backface-
visibility:hidden;background:rgba(0,0,0,.4);bottom:0;left:0;opacity:1;perspective:
0;position:fixed;right:0;top:0;will-change:opacity;z-index:1}#ccc-
module{height:100%;position:fixed;width:100%;z-index:2}#ccc-module.ccc-
module--slideout{bottom:0;max-width:520px;top:0;width:90%}#ccc-module.ccc-
module--slideout.ccc-module--left{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-right;animation-name:slide-right;left:0}#ccc-
module.ccc-module--slideout.ccc-module--right{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:slide-left;animation-
```

```

name:slide-left;right:0}#ccc-content{box-sizing:border-
box;height:100%;overflow-
y:auto;padding:24px;position:absolute;width:100%}.ccc-content--
dark{fill:#fff;background-color:#313147;color:#fff}.ccc-content--
light{fill:#333;background-color:#f4f4f4;color:#333}#ccc-close{align-
items:center;background-
color:transparent;border:0;cursor:pointer;display:flex;padding:0!
important;position:absolute;right:16px;top:16px;z-index:10}#ccc-title,.ccc-
title{font-size:1.2em;font-weight:700;line-height:1.5em;margin:0;padding-
right:32px;text-align:left}#ccc #ccc-recommended-
settings{clear:both;float:none;margin-left:0}#ccc h2,#ccc h3{font-
weight:700;margin:0;padding-right:120px}#ccc h2,#ccc h3,#ccc p,.ccc-
intro{font-size:1em;line-height:1.5em;text-align:left}#ccc p,.ccc-intro{font-
weight:400;margin:1em 0}#ccc hr{border:0;height:1px;margin:24px
0;opacity:.25}#ccc .ccc-svg-element{display:inline-block;height:16px;margin-
left:8px;position:relative;top:6px;width:16px}#ccc .ccc-content--dark
hr{background-color:#fff}#ccc .ccc-content--dark a,#ccc .ccc-content--dark
h1,#ccc .ccc-content--dark h2,#ccc .ccc-content--dark h3,#ccc .ccc-content--
dark p,#ccc .ccc-content--dark span{fill:#fff;color:#fff}#ccc .ccc-content--light
hr{background-color:#333}#ccc .ccc-content--light a,#ccc .ccc-content--light
h1,#ccc .ccc-content--light h2,#ccc .ccc-content--light h3,#ccc .ccc-content--
light p,#ccc .ccc-content--light span{fill:#333;color:#333}#ccc .optional-
cookie{position:relative}.checkbox-
toggle{margin:0;position:absolute;right:0;top:-3px}#ccc .checkbox-toggle-
input{bottom:0;display:block;height:100%;left:0;margin:0;opacity:0;padding:0;p
osition:absolute;right:0;top:0;width:100%;z-index:1}#ccc .checkbox-toggle--
checkbox{border:2px solid #fff;border-radius:4px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-
label{display:block;height:24px;width:24px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-off,#ccc .checkbox-toggle--checkbox .checkbox-
toggle-on{display:none}#ccc .checkbox-toggle--checkbox .checkbox-toggle-
toggle{border-
radius:4px;display:block;height:100%;position:relative;width:100%}#ccc .checkb
ox-toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border:solid
#fff;border-width:0 3px 3px
0;content:"";height:10px;left:9px;position:absolute;top:5px;transform:rotate(45d
eg);width:5px}#ccc .checkbox-toggle--slider{border:4px solid #fff;border-
radius:50px}#ccc .checkbox-toggle--slider .checkbox-toggle-
label{cursor:pointer;display:flex;margin:0;z-index:1}#ccc .checkbox-toggle--
slider .checkbox-toggle-off,#ccc .checkbox-toggle--slider .checkbox-toggle-
on{flex:1;flex-basis:50%;font-size:.75em;font-weight:700;min-
width:40px;padding:0 6px;text-align:center;white-space:nowrap;width:50%;z-
index:2}#ccc .checkbox-toggle--slider .checkbox-toggle-
off{opacity:.65}#ccc .checkbox-toggle--slider .checkbox-toggle-
toggle{background-color:#000;border-
radius:50px;cursor:pointer;display:block;height:100%;left:0;position:absolute;top
:0;transition:all .4s ease;width:50%;z-index:3}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{left:50%}#ccc .checkbox-toggle--
slider.checkbox-toggle--dark{background-color:#111125;border-
color:#111125}#ccc .checkbox-toggle--checkbox.checkbox-toggle--
dark{background-color:#111125;border-color:#fff}#ccc .checkbox-toggle--
dark .checkbox-toggle-toggle{background-color:#2f2f5f}#ccc .checkbox-toggle--
light{background-color:#555;border-color:#555}#ccc .checkbox-toggle--
light .checkbox-toggle-toggle{background-color:#000}#ccc .checkbox-toggle--

```



```

light .checkbox-toggle-on,#ccc .checkbox-toggle--slider.checkbox-toggle--
light .checkbox-toggle-off{color:#fff}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{background-color:#fff}#ccc .ccc-
alert{border-radius:8px;margin:24px 0;padding:16px}#ccc .ccc-alert-title{align-
items:center;display:flex;padding:0}#ccc .ccc-alert-icon{display:inline-
block;flex-shrink:0;height:30px;margin:0 8px 0 0;width:30px}#ccc .ccc-alert-
break{margin:12px 0}.third-party-cookie-link{align-
items:center;display:flex;margin:16px 0}.third-party-cookie-name{font-
size:1em;font-weight:700}.third-party-cookie-icon{display:inline-
block;height:16px;margin-left:16px;width:16px}#ccc .ccc-content--dark .ccc-
alert{fill:#fff;background:#111125;color:#fff}#ccc .ccc-content--dark .third-
party-cookie-link{background:#111125;color:#fff}#ccc .ccc-content--light .ccc-
alert,#ccc .ccc-content--light .third-party-cookie-link{background:#eaeaea}#ccc
.ccc-module--popup{-webkit-animation-duration:.4s;animation-duration:.4s;-
webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-
animation-name:slide-up;animation-name:slide-
up;bottom:0;left:0;opacity:1;right:0;top:0}#ccc .ccc-module--popup #ccc-
content{border-radius:12px;height:90%;left:50%;max-height:600px;max-
width:600px;top:50%;transform:translate(-50%,-50%);width:90%}#ccc .ccc-
notify-box-dismiss{display:none!important}@media (min-width:600px){#ccc
#ccc-notify.ccc-notify__box{-webkit-animation-duration:.8s;animation-
duration:.8s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:box-slide-up;animation-name:box-slide-up;border-
radius:12px;box-sizing:border-box;flex-direction:column;height:90%;justify-
content:space-around;left:50%;max-height:240px;max-
width:480px;opacity:1;padding:32px 64px;top:50%;transform:translate(-50%,-
50%);width:90%}#ccc .ccc-notify-box-dismiss{display:block!
important;position:absolute!important;right:16px!important;top:16px!
important}}#ccc #ccc-notify{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-up;animation-name:slide-up;border-
radius:0;bottom:0;display:flex;flex-direction:column;height:auto;justify-
content:space-between;left:0;margin:0;min-
height:48px;opacity:1;overflow:hidden;padding:16px;position:fixed;right:0;z-
index:30}.ccc-notify-text h1{font-size:1em;font-weight:700;line-
height:1.5em;margin:0;padding-right:120px;text-align:left}#ccc #ccc-notify.ccc-
notify__top{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-
animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-
name:slide-down;animation-name:slide-down;bottom:auto;top:0}#ccc #ccc-
notify h3{padding:0}#ccc #ccc-notify p{font-
size:.9em;margin:0;opacity:.8}#ccc .ccc-notify-buttons{margin-
top:16px;padding-right:24px;position:relative}#ccc .ccc-notify-
button{background:transparent;border:2px solid;border-
radius:4px;cursor:pointer;font-size:1em;font-weight:400;line-
height:1.5em;margin:4px 8px 16px 0;padding:8px 16px!important}#ccc #ccc-
notify-dismiss{background-
color:transparent;border:0;cursor:pointer;display:inline-
flex;height:24px;padding:0!important;position:absolute;right:0;top:-
4px;width:24px}@media (min-width:400px){#ccc #ccc-notify-
dismiss{position:relative;right:auto}#ccc .ccc-notify-buttons{padding-
right:0}}@media (min-width:1020px){#ccc #ccc-notify{align-items:center;flex-
direction:row}#ccc .ccc-notify-text{margin-right:16px}#ccc .ccc-notify-
buttons{flex-shrink:0;white-space:nowrap}}@media (min-width:1200px){#ccc
#ccc-notify{font-size:16px;padding:16px 100px;z-index:10}}#ccc .ccc-content--

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dark #ccc-notify,#ccc .ccc-content--dark #ccc-notify span{fill:#fff;background-color:#313147;color:#fff} #ccc .ccc-content--dark .ccc-notify-button,#ccc .ccc-content--dark .ccc-notify-button span{border-color:#fff;color:#fff} #ccc .ccc-content--dark .ccc-button-solid,#ccc .ccc-content--dark .ccc-button-solid span{background:#fff;color:#111125;font-weight:700}.ccc-notify-link{border:0!important;text-decoration:underline} #ccc .ccc-content--light #ccc-notify,#ccc .ccc-content--light #ccc-notify span{fill:#000;background:#f4f4f4;color:#000} #ccc .ccc-content--light .ccc-notify-button,#ccc .ccc-content--light .ccc-notify-button span{border-color:#000;color:#000} #ccc .ccc-content--light .ccc-button-solid,#ccc .ccc-content--light .ccc-button-solid span{background:#000;color:#fff;font-weight:700}.ccc-info-link{font-size:.8em;font-weight:700;text-decoration:none}.ccc-info-link .svg-element{height:14px;margin-left:6px;width:14px} #ccc .ccc-module--slideout .ccc-info{height:100px} #ccc[popup] .ccc-info{height:40px}@media print{#ccc{display:none!important}} #ccc-close-label{display:block;font-size:16px} #ccc .ccc-panel--indent #ccc-title{padding-right:180px} #ccc-close.ccc-close--labelled{padding:8px!important;right:0;top:0} #ccc-content.ccc-content--light #ccc-close.ccc-close--labelled{background-color:#eaeaea} #ccc-content.ccc-content--dark #ccc-close.ccc-close--labelled{background-color:#111125} #ccc-end{margin:16px 0 32px} #ccc-dismiss-button{display:block} #ccc .ccc-content--highlight .ccc-link.ccc-tabbable:focus{filter:invert(100%);padding:8px} #ccc .ccc-content--highlight.ccc-content--light .ccc-link.ccc-tabbable:focus{background-color:#eaeaea!important;border-color:#eaeaea!important} #ccc .ccc-content--highlight.ccc-content--dark .ccc-link.ccc-tabbable:focus{background-color:#111125!important;border-color:#111125!important} #ccc .ccc-content--highlight #ccc-close:focus,#ccc .ccc-content--highlight .ccc-button-solid:focus,#ccc .ccc-content--highlight .checkbox-toggle-input:focus~.checkbox-toggle-toggle,#ccc .ccc-content--highlight .third-party-cookie-link:focus{filter:invert(100%)} #ccc .ccc-content--highlight.ccc-content--light .ccc-tabbable:focus{box-shadow:0 4px 8px 0 hsla(0,0%,100%,.2),0 6px 20px 0 hsla(0,0%,100%,.2)} #ccc .ccc-content--highlight.ccc-content--dark .ccc-tabbable:focus{box-shadow:0 4px 8px 0 rgba(0,0,0,.2),0 6px 20px 0 rgba(0,0,0,.2)} #ccc .checkbox-toggle:focus-within{outline:auto} #ccc #ccc-icon.ccc-icon--no-outline,#ccc .ccc-content--no-outline \*,#ccc .ccc-content--no-outline .ccc-tabbable{outline:none} #ccc .ccc-content--highlight .ccc-tabbable:active,#ccc .ccc-content--highlight .ccc-tabbable:hover,#ccc .ccc-icon--highlight:active,#ccc .ccc-icon--highlight:hover{box-shadow:none!important;filter:none!important}.ccc-panel{left:24px;position:absolute;right:24px;top:24px}.ccc-panel.hidden{height:0;opacity:0;overflow:hidden}.ccc-panel.visible{height:auto;opacity:1;transition:opacity .4s} #ccc .iab-vendor,#ccc .optional-vendor{margin:0 0 8px} #ccc .optional-vendor{font-size:.875em} #ccc .optional-vendor-heading{font-weight:700;padding-left:24px;text-decoration:underline} #ccc .ccc-vendor-reveal{align-items:center;background:transparent;border:1px dotted;display:flex;font-size:.875em;opacity:.5;transition:opacity .4s} #ccc .ccc-vendor-reveal:focus,#ccc .ccc-vendor-reveal:hover{opacity:1} #ccc .ccc-legal-description{margin-top:1rem} #ccc .ccc-vendor-reveal svg{height:16px;margin-left:8px;width:16px} #ccc .optional-vendor-warning{align-items:center;display:flex} #ccc .optional-vendor-warning svg{height:16px;margin-right:8px;width:16px} #ccc .optional-vendor-content{padding-left:24px} #ccc .iab-vendor-heading{font-size:.875em;font-

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weight:400;text-decoration:underline}#ccc .cmp-button-holder{display:flex;font-size:.75em;justify-content:space-between}#ccc .cmp-back{opacity:.5;transition:opacity .4s}#ccc .cmp-back:hover{opacity:1}.ccc-sr-only{clip:rect(0,0,0,0);border:0;height:1px;margin:-1px;overflow:hidden;padding:0;position:absolute;width:1px}@-webkit-keyframes fade-in{0%{opacity:0}to{opacity:1}}@keyframes fade-in{0%{opacity:0}to{opacity:1}}@-webkit-keyframes slide-right{0%{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@keyframes slide-right{0%{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@keyframes slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@keyframes slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@-webkit-keyframes box-slide-up{0%{transform:translate3d(-50%,100%,0)}to{transform:translate3d(-50%,-50%,0)}}@keyframes box-slide-up{0%{transform:translate3d(-50%,100%,0)}to{transform:translate3d(-50%,-50%,0)}}@-webkit-keyframes slide-down{0%{transform:translate3d(0,-100%,0)}to{transform:translateZ(0)}}@keyframes slide-down{0%{transform:translate3d(0,-100%,0)}to{transform:translateZ(0)}}#ccc .iab-object{height:48px;position:relative;width:98%}#ccc .iab-object.iab-object--vendor{width:85%}#ccc .iab-object .checkbox-toggle{left:0;right:auto;top:4px}#ccc .iab-object .checkbox-toggle-label{height:18px;width:18px}#ccc .iab-object .checkbox-toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border-width:0 2px 2px 0;height:8px;left:7px;top:3px;width:3px}#ccc .iab-object-label{display:block;font-size:.75em;margin-left:32px}#ccc .vendor-details{font-size:.75rem;margin-bottom:16px}#ccc .vendor-details h4{margin:.5rem 0}#ccc .ccc-title.ccc-title--iab{margin-bottom:1rem}#ccc .iab-header-toggle{align-items:center;display:flex;margin-bottom:1rem}#ccc .iab-header-toggle .ccc-title{margin:0 0 0 16px}#ccc .iab-header-toggle .ccc-vendor-reveal svg{margin:0}#ccc .iab-vendor-toggle .checkbox-toggle{top:auto}#ccc .iab-vendor-toggle h3{padding-right:180px}#ccc .iab-disclosure-load{align-items:center;display:flex}#ccc .iab-disclosure-load button{margin-right:12px}#ccc .iab-disclosure-load a{text-decoration:none}#ccc .iab-disclosure-load a>span{position:relative;top:-2px}#ccc .iab-disclosure-load a>.ccc-svg-element{top:4px}#ccc .iab-disclosure-table{border-collapse:collapse;margin:2em 0;width:100%}#ccc .iab-disclosure-table td,#ccc .iab-disclosure-table th{border:1px solid}#ccc .iab-disclosure-table thead td{border:none}#ccc .ccc-content--dark td,#ccc .ccc-content--dark th{border-color:#fff}#ccc .iab-disclosure-table dl{display:grid;grid-template:auto/1fr 1fr;width:150px}#ccc .iab-disclosure-table ul{list-style:none}#ccc .iab-disclosure-table dl,#ccc .iab-disclosure-table ul{margin:0;padding:0}#ccc .iab-disclosure-table dd,#ccc .iab-disclosure-table dt,#ccc .iab-disclosure-table li{border-bottom:1px solid rgba(0,0,0,.1);margin:0;padding:.3em .5em}#ccc .ccc-content--dark .iab-disclosure-table dd,#ccc .ccc-content--dark .iab-disclosure-table dt,#ccc .ccc-content--dark .iab-disclosure-table li{border-bottom:1px solid hsla(0,0%,100%,.1)}#ccc .ccc-content--dark .iab-disclosure-table li:last-child{border:none}#ccc .iab-disclosure-table td,#ccc .iab-disclosure-table th{padding:1em;vertical-align:top}#ccc .iab-disclosure-table tr:nth-child(2n){background:rgba(0,0,0,.1)}#ccc .ccc-content--highlight .ccc-tabbable:hover{outline:auto}</style><style>#ccc, #ccc button {font-family:

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fsermic, arial, san-serif !important; }#ccc #ccc-content, #ccc #ccc-notify { background-color: #262626 !important; }#ccc h2, #ccc h3 { font-size: 1.1em !important; }#ccc, #ccc p, #ccc .third-party-cookie-link { font-size: 14px !important; }#ccc #ccc-title { font-size: 1.4em !important; }#ccc .checkbox-toggle-on, #ccc .checkbox-toggle-off { color: #262626 !important; }#ccc .checkbox-toggle-toggle { background-color: #262626 !important; }#ccc .checkbox-toggle { background-color: #f5f5f5 !important; border-color: #f5f5f5 !important; }#ccc .ccc-notify-button.ccc-accept-button, #ccc .ccc-notify-button.ccc-accept-button span, #ccc .ccc-notify-button.ccc-close-button, #ccc .ccc-notify-button.ccc-close-button span { color: #262626 !important; }#ccc .ccc-notify-button.ccc-accept-button, #ccc .ccc-notify-button.ccc-accept-button span, #ccc .ccc-notify-button.ccc-close-button, #ccc .ccc-notify-button.ccc-close-button span { background-color: #b9db0c !important; border-color: #b9db0c !important; }</style><meta http-equiv="origin-trial" content="AzoawhTRDevLR66Y6MROu167EDncFPBvcKOaQispTo9ouEt5LvcBjnRFqiABYRT+2cDHG1Yj4dXwpLelhc98/gIAAACFeyJvcmlnaW4iOiJodHRwczovL2RvdWJsZWNSaWNrLm5ldDo0NDMiLCJmZWZWF0dXJlIjoUUhJpdmFjeVNHbmRib3hBZHNBUElziwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1N1YmRvbWVpbiI6dHJlZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><meta http-equiv="origin-trial" content="A6+nc62kbJgC46ypOwRsNW6RkDn2x7tgRh0wp7jb3DtFF7oEhu1hhm4rdZHZ6zXvnKZLIYcBIQUImC4d3kKihAcAAACLeyJvcmlnaW4iOiJodHRwczovL2dvd2dsZXN5bmRpY2F0aW9uLmNvbTo0NDMiLCJmZWZWF0dXJlIjoUUhJpdmFjeVNHbmRib3hBZHNBUElziwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1N1YmRvbWVpbiI6dHJlZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><meta http-equiv="origin-trial" content="A/9La288e7MDEU2ifusFnMg1C2Ij6uoa/Z/ylwJlXSsWfK37oESIPbxbt4IU86OGqDEPnNVruUiMjfKo65H/CQwAAACLeyJvcmlnaW4iOiJodHRwczovL2dvd2dsZXRhZ3NlcnZpY2VzLmNvbTo0NDMiLCJmZWZWF0dXJlIjoUUhJpdmFjeVNHbmRib3hBZHNBUElziwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1N1YmRvbWVpbiI6dHJlZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><script src="https://securepubads.g.doubleclick.net/gpt/pubads\_impl\_2022072702.js" async=""></script><link rel="preload" href="https://adservice.google.co.uk/adsid/integrator.js?domain=www.metoffice.gov.uk" as="script"><script type="text/javascript" src="https://adservice.google.co.uk/adsid/integrator.js?domain=www.metoffice.gov.uk"></script><link rel="preload" href="https://adservice.google.com/adsid/integrator.js?domain=www.metoffice.gov.uk" as="script"><script type="text/javascript" src="https://adservice.google.com/adsid/integrator.js?domain=www.metoffice.gov.uk"></script><meta http-equiv="origin-trial" content="A9wkrvp9y21k30U9IU7MJMjBj4USjLrGwV+Z8zO3J3ZBH139DOnCv3XLK2li40S94HG1SZ/Zeg2GSHOD3wlWngYAAAB7eyJvcmlnaW4iOiJodHRwczovL3d3dy5nb29nbGV0YWdtYW5hZ2VyLmNvbTo0NDMiLCJmZWZWF0dXJlIjoUUhJpdmFjeVNHbmRib3hBZHNBUElziwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1RoXjkUGFydHkiOnRydWV9"><script type="text/javascript" async="" src="https://googleads.g.doubleclick.net/pagead/viewthroughconversion/823950598/?random=1659422633654&cv=9&fst=1659422633654&num=1&bg=ffffff&guid=ON&resp=GooglemKTybQhCsO&u\_h=844&u\_w=390&u\_ah=844&u\_aw=390&u\_cd=32&u\_his=5&u\_tz=60&u\_java=false&u\_nplug=0&u\_nmime=0&gtm=2wq7r0&sendb=1&iq=1&frm=0&url=https%3A%2F

%2Fwww.metoffice.gov.uk%2Fweather%2Fclimate%2Fscience&ref=https%3A%2F%2Fwww.metoffice.gov.uk%2F&tiba=Climate%20science%20-%20Met%20Office&gdp\_r\_consent=CPdF8uyPdF8uyEDAJBENCaCsAP\_AAH\_AAAwII7Nf\_X\_b3\_j-5\_t0eY1f9\_7\_-0zjhfdt-8N3f\_X\_L8X\_2M7vF36pq4KuR4ku3bBIQdlHOncTUmX6oIVrzPsbk2cr7NKJ7Pkmnsbe2dYGH9\_n9\_z\_ZKZ7\_7\_-v\_3\_997f3\_9\_8Edmv\_r\_t7\_z\_f9\_26PMav-9\_aZxwvu2\_eG7v\_r\_l-L\_7Gd3i79W18FXI8SXbtgklO2jnTujqTY9USq15n2NybOV9mlE\_nyTT2NvbOsDD-\_z-5\_slM9\_9\_3\_-AA&gdp\_r=1&hn=www.googleadservices.com&async=1&rfmt=3&fmt=4"></script><script src="https://s2.getsitecontrol.com/widgets/es6/runtime.bc4da13.js"></script></head><body class="user-tabbing tcf-p1 tcf-p2 tcf-p3 tcf-p4"><div id="ccc" role="region" aria-label="Cookie preferences" aria-live="polite" style="z-index: 2147483647;"></div><script src="/webfiles/1658483350597/js/common/set-body-class.js"></script><script src="/webfiles/1658483350597/js/common/run-ab-test.js"></script><div id="lead-ad-spacer" style="min-height: 0px;"><div class="draggable-advert forecastLeader" id="forecastLeader" style="display: none;"></div></div><script>let leadAdSpacer= document.getElementById("lead-ad-spacer");leadAdSpacer.style.minHeight = window.metoffice.advertising.allocateLeaderAdspotSpace;</script><header id="header"><div id="skiplink-container" tabindex="0"><a href="#content" id="skiplink" class="skiplink">Skip to main content</a></div><div class="upper"><div class="upper-container container row middle-xs"><div class="logo col-xs-6 col-sm-8 col-lg-2"><a href="/"></a></div><div class="col-xs-6 col-sm-4 hide-lg no-js-hide menu-button"><button class="mobile-settings" data-settings-control="true" onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)" title="Settings"><span class="icon" data-type="global" data-value="settings"></span></button><button id="menu-button" aria-haspopup="true" aria-controls="lower-container">Menu</button></div><nav aria-label="first level" class="top-menu has-edit-button col-lg-10 show-lg hide-sm hide-xs"><ul id="top-level-menu"><li><a href="/weather" data-topmenu-id="0" aria-controls="menu0" aria-expanded="true">Weather & climate</a></li>

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Research
programmes
<a href="/services" data-topmenu-id="2" aria-
controls="menu2">Services
About
us

</nav>
</div>
</div>
<div class="lower">
<div id="lower-container" class="lower-container container row middle-lg" data-
nav="false" data-second-nav="false" data-search="false">
<div class="logo-container">
<div class="logo col-xs-8 col-lg-2">
Met
Office
</div>
<div class="menu-button col-xs-4 hide-lg no-js-hide">
<button id="close-menu-button" type="button" value="Close" aria-
controls="lower-container" aria-label="Close menu" title="Close menu">
<span class="icon" data-type="global" data-value="close" aria-
hidden="true">
</button>
</div>
</div>
<div class="site-search-form" class="search-form col-xs-12" role="search"
action="/search" method="get">
<label for="site-search-input" class="off-screen no-js-hide">Search site</label>
<input id="site-search-input" type="search" class="col-sm-11"
placeholder="Search" name="query" autocomplete="off" required="">
<button type="submit" tabindex="-1" value="Search" title="Search" class="col-
sm-1 col-lg-offset-0">
Search
</button>
<button id="close-search-button" type="button" title="Close" value="Close"
class="no-js-hide">
x
</button>
</form> <div class="third-level-back col-xs-12 col-lg-12 col-lg-offset-0">
<span id="third-level-back" class="row middle-xs" role="button" tabindex="0"
aria-label="Back to second level menu">

Back

</div>
<nav aria-label="second level" id="secondary-nav" class="main-menu col-xs-12
col-sm-12 col-lg-11 col-lg-offset-0 no-js-show">
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="0" data-toggle="true"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-0" href="/weather" class="selected">
<div>

```

```
Weather & climate
<div id="menu-desc-0" class="menu-desc hide-lg">
Everything you need to know about the forecast, and making the most of
the weather.
</div>
</div>

</div>
<ul id="menu0" data-submenu-id="0" data-toggle="true">

Find a forecast

<li data-children="true">
<a href="/weather/warnings-and-advice" aria-haspopup="true" aria-
controls="menu0Sub1" data-index="1">
Warnings & advice

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Warnings & advice</div>
<ul id="menu0Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">

UK weather warnings

<a href="/weather/warnings-and-advice/uk-storm-centre/index" data-
index="1">
UK Storm Centre

<a class="last" href="/weather/warnings-and-advice/seasonal-advice" data-
index="2">
Seasonal advice
```

```


</div>
</nav>

<li data-children="true">
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" aria-
haspopup="true" aria-controls="menu0Sub2" data-index="2">
Maps & charts

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Maps & charts</div>
<ul id="menu0Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">

<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" data-
index="0">
UK weather map

<a href="https://www.metoffice.gov.uk/weather/maps-and-charts/rainfall-radar-
forecast-map" data-index="1">
New map beta

<a href="https://www.metoffice.gov.uk/public/weather/observation/rainfall-
radar" data-index="2">
UK rainfall radar

UK forecast
```



```


Surface pressure charts

All countries

</div>
</nav>

<li data-children="true" class="selected">
<a href="/weather/climate" aria-haspopup="true" aria-controls="menu0Sub3"
data-index="3">
Climate

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate</div>
<ul id="menu0Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">

Climate explained

What is climate change?


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Causes of climate change

Effects of climate change

Climate change questions

UK climate

<li class="selected">

Climate science

<a class="last" href="/weather/climate-change/organisations-and-reports" data-
index="7">
Organisations and reports

</div>
</nav>

<li data-children="true">
```

```
<a href="/weather/specialist-forecasts" aria-haspopup="true" aria-
controls="menu0Sub4" data-index="4">
Specialist forecasts

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Specialist forecasts</div>
<ul id="menu0Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">

Coast and Sea

Mountain

<a class="last" href="/weather/specialist-forecasts/space-weather" data-
index="2">
Space Weather

</div>
</nav>

<li data-children="true">
<a href="/weather/learn-about" aria-haspopup="true" aria-
controls="menu0Sub5" data-index="5">
Learn about...

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Learn about...</div>
<ul id="menu0Sub5" class="col-xs-12 col-lg-8 col-lg-offset-0">
```

```


Past UK weather events

Weather

How forecasts are made

<a class="last" href="/weather/learn-about/met-office-for-schools" data-
index="3">
Met Office for Schools

</div>
</nav>

</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="1" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-1" href="/research">
<div>
Research programmes
<div id="menu-desc-1" class="menu-desc hide-lg">
The latest breakthroughs, research and news from the Met
Office.
</div>
</div>


```

```
</div>
<ul id="menu1" data-submenu-id="1" data-toggle="false">
<li data-children="true">
<a href="/research/approach/index" aria-haspopup="true" aria-
controls="menu1Sub0" data-index="0">
Our approach

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Our approach</div>
<ul id="menu1Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">

Overview by our Chief Scientist

<a href="/research/approach/how-met-office-science-is-reviewed" data-
index="1">
How Met Office science is reviewed

Collaboration

Modelling systems

Monitoring

```

```


<a class="last" href="/research/approach/our-scientists/people" data-
index="5">
Our scientists

</div>
</nav>

<li data-children="true">
<a href="/research/weather" aria-haspopup="true" aria-controls="menu1Sub1"
data-index="1">
Weather science

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Weather science</div>
<ul id="menu1Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">

Atmospheric dispersion and air quality

Data assimilation

Ensemble forecasting


```

Observations research and development  
  
</a>  
</li>  
<li>  
<a href="/research/weather/ocean-forecasting" data-index="4">  
Ocean forecasting  
  
</a>  
</li>  
<li>  
<a href="/research/weather/research-to-operations" data-index="5">  
Research to operations  
  
</a>  
</li>  
<li>  
<a href="/research/weather/satellite-applications" data-index="6">  
Satellite applications  
  
</a>  
</li>  
<li>  
<a href="/research/weather/verification-impacts-and-post-processing" data-  
index="7">  
Verification, impacts and post-processing  
  
</a>  
</li>  
<li>  
<a class="last" href="/research/weather/weather-science-it" data-index="8">  
Weather science IT  
  
</a>  
</li>  
</ul>  
</div>  
</nav>  
</li>  
<li data-children="true">  
<a href="/research/climate" aria-haspopup="true" aria-controls="menu1Sub2"  
data-index="2">

Climate science



</a>

<nav aria-label="third level" class="third-level" data-toggle="false">

<div class="third-level-inner row">

<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2  
col-lg-offset-1">Climate science</div>

<ul id="menu1Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">

<li>

<a href="/research/climate/cryosphere-oceans" data-index="0">

Climate, cryosphere and oceans



</a>

</li>

<li>

<a href="/research/climate/climate-impacts" data-index="1">

Climate impacts



</a>

</li>

<li>

<a href="/research/climate/climate-monitoring/index" data-index="2">

Climate monitoring and attribution



</a>

</li>

<li>

<a href="/research/climate/earth-system-science" data-index="3">

Earth system science



</a>

</li>

<li>

<a href="/research/climate/seasonal-to-decadal" data-index="4">

Monthly to decadal prediction



</a>

</li>

<li>

<a href="/research/climate/maps-and-data" data-index="5">

UK climate maps and data



```


<a class="last" href="/research/climate/understanding-climate" data-
index="6">
Understanding climate change

</div>
</nav>

<li data-children="true">
<a href="/research/applied" aria-haspopup="true" aria-controls="menu1Sub3"
data-index="3">
Applied science

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Applied science</div>
<ul id="menu1Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">

Aviation applications

Climate information for international development

Climate security


```

```


Climate services

Defence applications

Post-processing applications

<a href="/research/applied/science-for-impacts-resilience-and-adaptation" data-
index="6">
Science for Impacts, Resilience and Adaptation (SIRA)

<a class="last" href="/research/applied/science-health-strategy" data-
index="7">
Science health strategy

</div>
</nav>

<li data-children="true">
<a href="/research/foundation" aria-haspopup="true" aria-
controls="menu1Sub4" data-index="4">
Foundation science

```

```

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Foundation science</div>
<ul id="menu1Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">

Atmospheric processes and parametrizations

Dynamic research

Global modelling

Informatics Lab

Observation-based research

<a class="last" href="/research/foundation/regional-model-evaluation-and-
development/index" data-index="5">
Regional model evaluation and development


```

```


</div>
</nav>

Library

News

</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="2" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-2" href="/services">
<div>
Services
<div id="menu-desc-2" class="menu-desc hide-lg">
Support your business with world-leading science and
technology.
</div>
</div>

</div>
<ul id="menu2" data-submenu-id="2" data-toggle="false">
<li data-children="true">
<a href="/services/government" aria-haspopup="true" aria-
controls="menu2Sub0" data-index="0">
Government

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Government</div>
<ul id="menu2Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">

```

```

Defence and security

Devolved administrations

<a href="/services/government/environmental-hazard-resilience" data-
index="2">
Environmental Hazard and Resilience Services

<a class="last" href="/services/government/international-development" data-
index="3">
International development

</div>
</nav>

<li data-children="true">
<a href="/services/transport" aria-haspopup="true" aria-controls="menu2Sub1"
data-index="1">
Transport

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Transport</div>
<ul id="menu2Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">

Aviation commercial
```

```


Aviation regulated

CAV

Marine

Rail

Road

</div>
</nav>

<li data-children="true">
<a href="/services/business-industry" aria-haspopup="true" aria-
controls="menu2Sub2" data-index="2">
Business & industry
```

```


<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Business & industry</div>
<ul id="menu2Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">

Agriculture

Construction

Energy

Event management

Legal and insurance

Media
```

```


Mining

Retail

Water

</div>
</nav>

<li data-children="true">
<a href="/services/data" aria-haspopup="true" aria-controls="menu2Sub3"
data-index="3">
Data

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Data</div>
<ul id="menu2Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">

Weather and climate data


```



```

</div>
</nav>

<li data-children="true">
<a href="/services/research-consulting" aria-haspopup="true" aria-
controls="menu2Sub4" data-index="4">
Research & consulting

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Research & consulting</div>
<ul id="menu2Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">

<a href="/services/research-consulting/access-a-meteorologist" data-
index="0">
Access a meteorologist

Climate service

<a href="/services/research-consulting/international-programmes" data-
index="2">
International programmes

<a class="last" href="/services/research-consulting/weather-climate-
consultancy" data-index="3">
Weather and climate consultancy

</div>
```

```
</nav>

Insights

</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="3" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-3" href="/about-us">
<div>
About us
<div id="menu-desc-3" class="menu-desc hide-lg">
Who we are, what we do and organisational news.
</div>
</div>

</div>
<ul id="menu3" data-submenu-id="3" data-toggle="false">

Who we are

<li data-children="true">
<a href="/about-us/supplying-the-met-office" aria-haspopup="true" aria-
controls="menu3Sub1" data-index="1">
Supplying the Met Office

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Supplying the Met Office</div>
<ul id="menu3Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">

<a href="/about-us/supplying-the-met-office/advertising/sponsorship-
opportunities" data-index="0">
Advertising
```

```


<a class="last" href="/about-us/supplying-the-met-office/procurement" data-
index="1">
Procurement

</div>
</nav>

<li data-children="true">
<a href="/about-us/press-office" aria-haspopup="true" aria-
controls="menu3Sub2" data-index="2">
Press Office

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Press Office</div>
<ul id="menu3Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">

Weather and climate news

Corporate news

News blog


```

```


Podcasts

<a class="last" href="/about-us/press-office/contact-press-office" data-
index="4">
Contact the Press Office

</div>
</nav>

<li data-children="true">
<a href="/about-us/careers" aria-haspopup="true" aria-controls="menu3Sub3"
data-index="3">
Careers

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Careers</div>
<ul id="menu3Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">

Working at the Met Office

Your career

Vacancies
```

```


Rewards and benefits

Equality, diversity and inclusion

<a class="last" href="/about-us/careers/apprentices-graduates-and-placements"
data-index="5">
Apprentices, graduates and placements

</div>
</nav>

<li data-children="true">
<a href="/about-us/contact" aria-haspopup="true" aria-controls="menu3Sub4"
data-index="4">
Contact us

<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Contact us</div>
<ul id="menu3Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">

Contact details


```

```


Feedback form

How to find us

</div>
</nav>

</div>
</nav>
<hr class="main-menu-divider col-xs-12 hide-lg">
<div id="nav-control" class="nav-control col-xs-12 col-lg-1 col-lg-offset-0">
<div id="nav-control-buttons" class="nav-control-buttons">
<div>
<button id="settings-button" data-settings-control="true" class="hide-xs show-
lg no-js-hide"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
Settings
</button>
</div>
<div role="search">

<span class="icon" role="img" data-type="global" data-value="search"
title="Expand search">

</div>
</div>
</div>
<div id="affiliate-links" class="affiliate-links hide-lg"></div>
</div>
</div>
<div class="print-header" aria-hidden="true">

</div>
</header>
<main id="content">
<div class="advert-container">
```

```
</div>
<div class="hero">

</div>
<div class="wrap-3-col">
<div class="wrap-3-left">
<div class="advert-container">
<div class="draggable-advert skyLeft" id="skyLeft" style="display:
none;"></div>
</div>
</div>
<div class="wrap-3-mid">
<div class="content-container">
<article class="has-edit-button content">
<div class="article-content">
<h1 class="article-heading">
Climate science
</h1>
<div class="share-line"><hr></div>
<div class="row content-top">
<div class="col">
<p class="learn-article-tagline" data-swiftype-name="tagline" data-swiftype-type="text">World-leading climate science at the Met Office</p>
<div data-swiftype-name="body" data-swiftype-type="text">
<div class="article-body"><h2>Met Office Hadley Centre for Climate Science and Services</h2>
<p>The Met Office, particularly through the Met Office Hadley Centre for Climate Science and Services, is constantly expanding the observations and monitoring of past and current climatic conditions, and making advances in projecting future global and regional climate on a range of timescales from the coming months and seasons, to the end of the century and beyond. </p>
```

The Met Office Hadley Centre is home to some of the world's foremost climate scientists. Our staff make significant contributions to scientific literature and to a variety of climate science reports, including the assessment reports of the

[Intergovernmental Panel on Climate Change \(IPCC\)](/weather/climate-change/organisations-and-reports/intergovernmental-panel-on-climate-change-ipcc).

Scientists at the Met Office Hadley Centre carry out a programme of climate science research relevant to UK Government Policy: the [Met Office Hadley Centre Climate Programme](/weather/climate/met-office-hadley-centre/climate-programme/index). Funded by the Department for Business, Energy and Industrial Strategy (BEIS) and the Department for Environment, Food and Rural Affairs (Defra), the research programme delivers policy-relevant research, which is used to advise and support Government decision making on climate science issues. It also provides underpinning science that supports the wider climate science community.

## Climate science roadmap

The Met Office Hadley Centre has developed a [Climate Science Roadmap](/binaries/content/assets/metofficegovuk/pdf/research/climate-science/climate-science-roadmap/mohc_climatescienceroadmap_2020-2030_frozen_25_may_2020v2.pdf). This roadmap outlines research over the next 10 years and will ensure we are ready for a changing future. The roadmap also details how we can deliver the research.

This research will help answer the key questions of how to minimise the risks of climate change and adapt to the changes we are committed to. We have carefully considered changes in the demands for climate science, advances in technology, and moving further to bridge the gap between core science and solutions.

Quantifying, explaining, forecasting, and projecting global and UK climate will continue to be a key focus. This will help inform early warnings or adaptation and mitigation decision-making. Our research will provide the scientific evidence required to support the UK government goal of reaching NetZero by 2050.

## Featured

-



```
<noscript>
<div class="image preview-block-image-0db3face-2a7f-4362-b2ef-
37bbba055dc9"></div>
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</div>
<div class="imagetag">CLIMATE</div>
<h3 class="title title-row-2">Met Office Hadley Centre for Climate Science and
Services</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing">Explore
</div>

<li class="preview-block-component">
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class="item">
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</div>
<div class="imagetag">CLIMATE</div>
<h3 class="title title-row-2">Met Office Hadley Centre Climate
Programme</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing">Explore
</div>

<li class="preview-block-component">

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00788121f3ae"></div>
</noscript>
</div>
<div class="imagetag">APPROACH</div>
<h3 class="title title-row-2">Newton Fund Weather and Climate Science for
Service Partnership Programme</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing">Explore
</div>

<li class="preview-block-component">
<a href="/weather/climate-change/organisations-and-reports/intergovernmental-
panel-on-climate-change-ipcc" class="item">
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```
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</noscript>
</div>
<div class="imagetag">CLIMATE CHANGE</div>
<h3 class="title title-row-2">The Met Office and the IPCC</h3>
<div class="read-more-text">
Explore
</div>

<li class="preview-block-component">

<div class="image lazy" data-class="preview-block-image-e674d420-a18e-4fd7-a481-db588da08418">
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<div class="image preview-block-image-e674d420-a18e-4fd7-a481-db588da08418"></div>
</noscript>
</div>
<div class="imagetag">CLIMATE CHANGE</div>
<h3 class="title title-row-2">The IPCC 1.5C Special Report</h3>
<div class="read-more-text">
Explore
</div>

<li class="preview-block-component">

<div class="image lazy" data-class="preview-block-image-24a6b8f2-81b6-4f9c-bd39-01ebb2e60edb">
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</noscript>
</div>
<div class="imagetag">CLIMATE</div>
<h3 class="title title-row-2">Climate observations</h3>
<div class="read-more-text">
Explore
</div>

</section>
</div>
<div class="advert-container">
```

```
<div class="draggable-advert ad-bottom" id="ad-bottom" data-google-query-id="CO6z-oTHp_kCFRpCHQkda6IB8w" style="margin-left: 0px !important;">ADVERTISEMENT<div id="google_ads_iframe_/6002/weather/climate/science_0__container_" style="border: 0pt none; max-height: none !important; max-width: 390px !important; padding: 0px !important; width: 390px !important;"><iframe id="google_ads_iframe_/6002/weather/climate/science_0" name="google_ads_iframe_/6002/weather/climate/science_0" title="3rd party ad content" width="390" height="50" scrolling="no" marginwidth="0" marginheight="0" frameborder="0" role="region" aria-label="Advertisement" tabindex="-1" sandbox="allow-forms allow-popups allow-popups-to-escape-sandbox allow-same-origin allow-scripts allow-top-navigation-by-user-activation" data-load-complete="true" data-google-container-id="1" class="ad-iframe" style="border: 0px; vertical-align: bottom;"></iframe></div></div></div><div><div></div></div></div></div><div class="wrap-3-right"><div class="advert-container"><div class="draggable-advert skyRight" id="skyRight" style="display: none;"></div></div></div></div></main><div class="content-container" role="complementary" aria-label="feedback banner"><section class="feedback-banner-component"><h2 class="feedback-banner-header">Help us improve our website</h2>Take our short survey</section></div><footer role="contentinfo" aria-label="footer"><div class="upper"><div class="content-container row"><div class="col-xs-12 col-lg-2"></div><div class="link-column col-xs-12 col-lg-10"><div class="row"><div class="left col-xs-12 col-sm-6"><div class="has-edit-button"><ul id="footer-1">Met Office CollegeNational Meteorological Library & Archive
```

```
Weather Observations Website
(WOW)

</div>
</div>
<div class="right col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-2">

Accessibility

Privacy policy

Cookie policy

Legal

Email updates

RSS

</div>
</div>
</div>
</div>
</div>
</div>
<div class="lower">
<div class="content-container row">
<div class="app-badges col-sm-6 col-xs-12">
<a class="google-play" href="https://play.google.com/store/apps/details?
id=uk.gov.metoffice.weather.android&referrer=utm_source%3DMet
%2520Office%2520Desktop%2520site%2520apps%2520page">

<a class="app-store"
href="https://apps.apple.com/app/apple-store/id1068146838">

</div>
<div class="follow-icons col-sm-6 col-xs-12 last-sm">
<ul class="horizontal-list">
<a href="https://www.facebook.com/metoffice" title="Follow us on
Facebook"><span class="icon" data-type="follow-light" data-
value="facebook">
```

```

<a href="https://www.youtube.com/user/TheMetOffice" title="Follow us on
YouTube"><span class="icon" data-type="follow-light" data-
value="youtube">
<a href="https://www.instagram.com/metoffice/" title="Follow us on
Instagram"><span class="icon" data-type="follow-light" data-
value="instagram">
<a href="https://www.snapchat.com/add/metoffice" title="Follow us on
Snapchat"><span class="icon" data-type="follow-light" data-
value="snapchat">
<a href="https://www.linkedin.com/company/met-office/" title="Follow us on
LinkedIn"><span class="icon" data-type="follow-light" data-
value="linkedin">

</div>
</div>
<div class="content-container row">
<div class="copyright col-xs-12">
<small>© Crown Copyright</small>
</div>
</div>
</div>
<div class="print-footer">

<p>© Crown Copyright</p>
</div>
</footer>
<div id="settings-container"
data-scripts="/webfiles/1658483350597/js/minified/dialog.min.js
/webfiles/1658483350597/js/minified/edit-preferences.min.js"
data-styles="/webfiles/1658483350597/css/compiled/components/dialog.css"></
div>
<script src="/webfiles/1658483350597/js/minified/global.min.js"></script>
<script type="application/ld+json">
//<![CDATA[
{
"@context": "http://schema.org",
"@type": "Article",
"mainEntityOfPage": {
"@type": "WebPage",
"@id": "https://www.metoffice.gov.uk/weather/climate/science"
},
"author": {
"@type": "Organization",
"name": "Met Office"
},
"publisher": {
"@type": "Organization",
"name": "Met Office",
"logo": {
"@type": "ImageObject",
"url": "https://www.metoffice.gov.uk/static/images/logo/default_card_315.jpg"
```

```

}
},
"headline": "Climate science",
"image":
"https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/hero-
images/advice/maps-satellite-images/satellite-image-of-globe.jpg/satellite-image-
of-globe.jpg/metofficegovuk%3AheroXXLarge",
"description": "World-leading climate science at the Met Office",
"url": "https://www.metoffice.gov.uk/weather/climate/science"
}
//]]>
</script>
<script>window['gtag_enable_tcf_support'] = true;</script>
<script type="text/javascript">
```

```

2MWC7FCEB2&l=dataLayer&cx=c"></script><script async=""
src="//www.googletagmanager.com/gtm.js?id=GTM-5LKBR7"></script><script
src="/public/gdpr-consent/cookieControl-config.js"></script><script
src="https://cc.cdn.civiccomputing.com/9/cookieControl-9.6.1.min.js"
integrity="sha384-aqvFY6jZz7P1H3oZsg8o0LwTPPzfe8oAUERJ960teK4rPG+
+iAX5l5gyu0iEzf" crossorigin="anonymous"></script><title>UK weather
forecast map - Met Office</title>
<meta name="dcterms.title" content="UK weather forecast map">
<meta name="keywords" content="UK weather forecast map,weather map,
weather forecast,UK forecast rain,UK forecast temperature, 5 day weather
forecast, 10 day weather forecast">
<meta name="description" content="Met Office 5 day weather forecast map for
UK including weather warnings, temperature, rain, wind speed, cloud, and
pressure.">
<!-- e-GMS mandatory -->
<meta name="dcterms.creator" content="Met Office">
<meta name="dcterms.created" content="2014-05-01"><!-- when this went
live -->
<meta name="dcterms.publisher" content="Met Office, FitzRoy Road, Exeter,
EX1 3PB, 0870 900 0100, enquiries@metoffice.gov.uk">
<meta name="dcterms.subject" content="Meteorology">
<meta name="dcterms.subject" content="Climate and weather">
<meta name="dcterms.subject" content="Weather forecasts">
<!-- e-GMS recommended -->
<meta name="dcterms.coverage" content="UK"><!-- except for world forecasts
-->
<meta name="dcterms.language" content="eng"><!-- except for translated
pages -->
<!-- meta for Twitter -->
<meta name="twitter:card" content="summary">
<meta name="twitter:site" content="@metoffice">
<meta name="twitter:creator" content="@metoffice">
<meta name="twitter:image"
content="https://www.metoffice.gov.uk/lib/template/logos/MO_Master_W.jpg">
<meta property="og:image"
content="https://www.metoffice.gov.uk/lib/template/logos/MO_Master_W.jpg">
<link rel="canonical"
href="https://www.metoffice.gov.uk/public/weather/forecast/map">
<script>
/*Insert meta tag via js as it is not valid HTML5*/
(function() {
var m = document.createElement("meta");
m.name = "google-translate-customization";
m.content = "f8c19e614cd5ee7e-37428b41ac444aca-gd1bc91f73b6940ae-14";
document.getElementsByTagName('head')[0].appendChild(m);
})();
</script><meta name="google-translate-customization"
content="f8c19e614cd5ee7e-37428b41ac444aca-gd1bc91f73b6940ae-14"><!--
desktop specific -->
<link rel="stylesheet" href="https://fonts.googleapis.com/css?
family=Open+Sans:300,400,600">

<!-- css -->

```

```

<link rel="stylesheet"
href="/tide/minified/css/mo.min.161bee04647e4d7aa837641c9882bddd.css">
<link rel="stylesheet"
href="/tide/minified/css/moMap.min.04f81ddf2291750eaf61489f757cabaf.css">
<link rel="stylesheet"
href="/tide/minified/css/common/normalize.min.47a5bc42d4f786d7cf6876b833c
6dcf5.css">
<link rel="stylesheet"
href="/tide/minified/css/common/common.min.25c3fecde6df345cfb5cc67e7c141
04e.css">
<link rel="stylesheet"
href="/tide/minified/css/common/icons.min.094de7e516ec0af3ead7395fe33a37f
a.css">
<link rel="stylesheet"
href="/tide/minified/css/common/desktop.min.52914633b994cabfc436fe21dc68c
5de.css">
<link rel="stylesheet"
href="/tide/minified/css/forecast.min.15e97439a82332899d5f461b9f5bbc11.css"
>
<link rel="stylesheet"
href="/tide/minified/css/weather.min.d71ae301e330afc8144c8c0f44070b8b.css"
>
<link rel="stylesheet" href="/tide/minified/css/hf-
new.min.5dd0a474a08e962924127fd6c1978568.css">
<link href="/tide/minified/css/external/jquery-ui-
1.8.11.custom.min.a5fecdd5fdbbc752aeb1049f1bdde292.css" rel="stylesheet">
 <link rel="stylesheet"
href="/tide/minified/css/video.min.0e2dabebdd420ff4551ad5f3b9b900bb.css">

<!--[if lte IE 8]>
 <script type="text/javascript"
src="/tide/minified/scripts/excanvas.min.9716447c3815cc824823baf5ae8fcac.js
"></script>
<![endif]-->

<!--[if lt IE 9]>
 <script
src="/tide/minified/scripts/html5shiv.min.ac92d31196131e67032d8ec4134c8c3b
.js"></script>
<![endif]-->

<!-- advert scripts -->
<script type="text/javascript"
src="https://securepubads.g.doubleclick.net/tag/js/gpt.js"></script>
<script>
 window.googletag = window.googletag || {cmd: []};
</script><link rel="icon" href="/tide/images/icons/mo-favicon.ico">
<script>
googletag.cmd.push(function() {
var pageType = "forecast/map";
slot1 = googletag.defineSlot('/6002/metoffice.weather/' + pageType, [[970,90],
[728,90]], 'div-gpt-ad-super-
leader').setCollapseEmptyDiv(true).addService(googletag.pubads()).setTargeting
('pos', 'top');

```



```

slot2 = googletag.defineSlot('/6002/metoffice.weather/' + pageType, [[300, 250],
[300,600]], 'div-gpt-ad-
mpu').setCollapseEmptyDiv(true).addService(googletag.pubads()).setTargeting('
pos', 'btm');
slot3 = googletag.defineSlot('/6002/metoffice.weather/' + pageType, [[970, 90],
[970,250],[728,90]], 'ad-
bottom').setCollapseEmptyDiv(true).addService(googletag.pubads()).setTargetin
g('pos', 'btm');
// adds custom targeting that applies to the entire page - i.e. all the slots on the
page.
googletag.pubads().setTargeting("env", "www");
// site info
googletag.pubads().enableSingleRequest();
googletag.enableServices();
});
</script>

```

```

<script async=""
src="https://ds-aksb-a.akamaihd.net/aksb.min.js"></script><script>var
w=window;if(w.performance||w.mozPerformance||w.msPerformance||
w.webkitPerformance){var d=document;AKSB=w.AKSB||{};AKSB.q=AKSB.q||
[],AKSB.mark=AKSB.mark||function(e,_){AKSB.q.push(["mark",e,_](new
Date).getTime())},AKSB.measure=AKSB.measure||function(e,_t){
{AKSB.q.push(["measure",e,_t](new
Date).getTime())},AKSB.done=AKSB.done||function(e)
{AKSB.q.push(["done",e]),AKSB.mark("firstbyte",(new
Date).getTime()),AKSB.prof={custid:"82838",ustr:"",originlat:"0",clientrtt:"44",gh
ostip:"23.55.59.231",ipv6:false,pct:"10",clientip:"185.69.145.233",requestid:"12d
c267c",region:"25522",protocol:"h2",blver:14,akM:"a",akN:"ae",akTT:"O",akTX:"1
",akTI:"12dc267c",ai:"251812",ra:"false",pmgn:"",pmgi:"",pmp:"",qc:""},function(
e){var _=d.createElement("script");_.async="async",_.src=e;var
t=d.getElementsByTagName("script"),t=t[t.length-
1];t.parentNode.insertBefore(_t)}
(("https:"===d.location.protocol?"https:":"http:")+"//ds-aksb-a.akamaihd.net/
aksb.min.js")}</script>

```

```

<script src="/public/adhoc/redirect_old_search_to_new.js"
defer="defer"></script><script src="/public/adhoc/map-link-to-beta.js"
defer="defer"></script><style>.ccc-disable-scroll{overflow-
y:scroll;position:fixed}#ccc{font-family:Arial,sans-serif;font-size:16px;line-
height:1.4em;position:fixed;z-index:2147483647}#ccc-
icon{background:transparent;border:0;bottom:0;cursor:pointer;height:80px;padd
ing:0;position:fixed;width:80px;z-index:20}#ccc-icon.ccc-icon--left{left:0}#ccc-
icon.ccc-icon--right{right:0}#ccc-icon.ccc-icon--dark{fill:#000025}#ccc-
icon.ccc-icon--dark #star path{fill:#fff}#ccc-icon.ccc-icon--light{fill:#555}#ccc-
icon.ccc-icon--light #star path{fill:#f4f4f4}#ccc-overlay{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:fade-in;animation-
name:fade-in;-webkit-backface-visibility:hidden;backface-
visibility:hidden;background:rgba(0,0,0,.4);bottom:0;left:0;opacity:1;perspective:
0;position:fixed;right:0;top:0;will-change:opacity;z-index:1}#ccc-
module{height:100%;position:fixed;width:100%;z-index:2}#ccc-module.ccc-
module--slideout{bottom:0;max-width:520px;top:0;width:90%}#ccc-module.ccc-
module--slideout.ccc-module--left{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-right;animation-name:slide-right;left:0}#ccc-

```

```

module.ccc-module--slideout.ccc-module--right{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:slide-left;animation-
name:slide-left;right:0}#ccc-content{box-sizing:border-
box;height:100%;overflow-
y:auto;padding:24px;position:absolute;width:100%}.ccc-content--
dark{fill:#fff;background-color:#313147;color:#fff}.ccc-content--
light{fill:#333;background-color:#f4f4f4;color:#333}#ccc-close{align-
items:center;background-
color:transparent;border:0;cursor:pointer;display:flex;padding:0!
important;position:absolute;right:16px;top:16px;z-index:10}#ccc-title,.ccc-
title{font-size:1.2em;font-weight:700;line-height:1.5em;margin:0;padding-
right:32px;text-align:left}#ccc #ccc-recommended-
settings{clear:both;float:none;margin-left:0}#ccc h2,#ccc h3{font-
weight:700;margin:0;padding-right:120px}#ccc h2,#ccc h3,#ccc p,.ccc-
intro{font-size:1em;line-height:1.5em;text-align:left}#ccc p,.ccc-intro{font-
weight:400;margin:1em 0}#ccc hr{border:0;height:1px;margin:24px
0;opacity:.25}#ccc .ccc-svg-element{display:inline-block;height:16px;margin-
left:8px;position:relative;top:6px;width:16px}#ccc .ccc-content--dark
hr{background-color:#fff}#ccc .ccc-content--dark a,#ccc .ccc-content--dark
h1,#ccc .ccc-content--dark h2,#ccc .ccc-content--dark h3,#ccc .ccc-content--
dark p,#ccc .ccc-content--dark span{fill:#fff;color:#fff}#ccc .ccc-content--light
hr{background-color:#333}#ccc .ccc-content--light a,#ccc .ccc-content--light
h1,#ccc .ccc-content--light h2,#ccc .ccc-content--light h3,#ccc .ccc-content--
light p,#ccc .ccc-content--light span{fill:#333;color:#333}#ccc .optional-
cookie{position:relative}.checkbox-
toggle{margin:0;position:absolute;right:0;top:-3px}#ccc .checkbox-toggle-
input{bottom:0;display:block;height:100%;left:0;margin:0;opacity:0;padding:0;p
osition:absolute;right:0;top:0;width:100%;z-index:1}#ccc .checkbox-toggle--
checkbox{border:2px solid #fff;border-radius:4px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-
label{display:block;height:24px;width:24px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-off,#ccc .checkbox-toggle--checkbox .checkbox-
toggle-on{display:none}#ccc .checkbox-toggle--checkbox .checkbox-toggle-
toggle{border-
radius:4px;display:block;height:100%;position:relative;width:100%}#ccc .checkb
ox-toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border:solid
#fff;border-width:0 3px 3px
0;content:"";height:10px;left:9px;position:absolute;top:5px;transform:rotate(45d
eg);width:5px}#ccc .checkbox-toggle--slider{border:4px solid #fff;border-
radius:50px}#ccc .checkbox-toggle--slider .checkbox-toggle-
label{cursor:pointer;display:flex;margin:0;z-index:1}#ccc .checkbox-toggle--
slider .checkbox-toggle-off,#ccc .checkbox-toggle--slider .checkbox-toggle-
on{flex:1;flex-basis:50%;font-size:.75em;font-weight:700;min-
width:40px;padding:0 6px;text-align:center;white-space:nowrap;width:50%;z-
index:2}#ccc .checkbox-toggle--slider .checkbox-toggle-
off{opacity:.65}#ccc .checkbox-toggle--slider .checkbox-toggle-
toggle{background-color:#000;border-
radius:50px;cursor:pointer;display:block;height:100%;left:0;position:absolute;top
:0;transition:all .4s ease;width:50%;z-index:3}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{left:50%}#ccc .checkbox-toggle--
slider.checkbox-toggle--dark{background-color:#111125;border-
color:#111125}#ccc .checkbox-toggle--checkbox.checkbox-toggle--
dark{background-color:#111125;border-color:#fff}#ccc .checkbox-toggle--

```

```

dark .checkbox-toggle-toggle{background-color:#2f2f5f}#ccc .checkbox-toggle--
light{background-color:#555;border-color:#555}#ccc .checkbox-toggle--
light .checkbox-toggle-toggle{background-color:#000}#ccc .checkbox-toggle--
light .checkbox-toggle-on,#ccc .checkbox-toggle--slider.checkbox-toggle--
light .checkbox-toggle-off{color:#fff}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{background-color:#fff}#ccc .ccc-
alert{border-radius:8px;margin:24px 0;padding:16px}#ccc .ccc-alert-title{align-
items:center;display:flex;padding:0}#ccc .ccc-alert-icon{display:inline-
block;flex-shrink:0;height:30px;margin:0 8px 0 0;width:30px}#ccc .ccc-alert-
break{margin:12px 0}.third-party-cookie-link{align-
items:center;display:flex;margin:16px 0}.third-party-cookie-name{font-
size:1em;font-weight:700}.third-party-cookie-icon{display:inline-
block;height:16px;margin-left:16px;width:16px}#ccc .ccc-content--dark .ccc-
alert{fill:#fff;background:#111125;color:#fff}#ccc .ccc-content--dark .third-
party-cookie-link{background:#111125;color:#fff}#ccc .ccc-content--light .ccc-
alert,#ccc .ccc-content--light .third-party-cookie-link{background:#eaeaea}#ccc
.ccc-module--popup{-webkit-animation-duration:.4s;animation-duration:.4s;-
webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-
animation-name:slide-up;animation-name:slide-
up;bottom:0;left:0;opacity:1;right:0;top:0}#ccc .ccc-module--popup #ccc-
content{border-radius:12px;height:90%;left:50%;max-height:600px;max-
width:600px;top:50%;transform:translate(-50%,-50%);width:90%}#ccc .ccc-
notify-box-dismiss{display:none!important}@media (min-width:600px){#ccc
#ccc-notify.ccc-notify__box{-webkit-animation-duration:.8s;animation-
duration:.8s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:box-slide-up;animation-name:box-slide-up;border-
radius:12px;box-sizing:border-box;flex-direction:column;height:90%;justify-
content:space-around;left:50%;max-height:240px;max-
width:480px;opacity:1;padding:32px 64px;top:50%;transform:translate(-50%,-
50%);width:90%}#ccc .ccc-notify-box-dismiss{display:block!
important;position:absolute!important;right:16px!important;top:16px!
important}}#ccc #ccc-notify{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-up;animation-name:slide-up;border-
radius:0;bottom:0;display:flex;flex-direction:column;height:auto;justify-
content:space-between;left:0;margin:0;min-
height:48px;opacity:1;overflow:hidden;padding:16px;position:fixed;right:0;z-
index:30}.ccc-notify-text h1{font-size:1em;font-weight:700;line-
height:1.5em;margin:0;padding-right:120px;text-align:left}#ccc #ccc-notify.ccc-
notify__top{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-
animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-
name:slide-down;animation-name:slide-down;bottom:auto;top:0}#ccc #ccc-
notify h3{padding:0}#ccc #ccc-notify p{font-
size:.9em;margin:0;opacity:.8}#ccc .ccc-notify-buttons{margin-
top:16px;padding-right:24px;position:relative}#ccc .ccc-notify-
button{background:transparent;border:2px solid;border-
radius:4px;cursor:pointer;font-size:1em;font-weight:400;line-
height:1.5em;margin:4px 8px 16px 0;padding:8px 16px!important}#ccc #ccc-
notify-dismiss{background-
color:transparent;border:0;cursor:pointer;display:inline-
flex;height:24px;padding:0!important;position:absolute;right:0;top:-
4px;width:24px}@media (min-width:400px){#ccc #ccc-notify-
dismiss{position:relative;right:auto}#ccc .ccc-notify-buttons{padding-
right:0}}@media (min-width:1020px){#ccc #ccc-notify{align-items:center;flex-

```

```
direction:row}#ccc .ccc-notify-text{margin-right:16px}#ccc .ccc-notify-
buttons{flex-shrink:0;white-space:nowrap}}@media (min-width:1200px){#ccc
#ccc-notify{font-size:16px;padding:16px 100px;z-index:10}}#ccc .ccc-content--
dark #ccc-notify,#ccc .ccc-content--dark #ccc-notify span{fill:#fff;background-
color:#313147;color:#fff}#ccc .ccc-content--dark .ccc-notify-button,#ccc .ccc-
content--dark .ccc-notify-button span{border-color:#fff;color:#fff}#ccc .ccc-
content--dark .ccc-button-solid,#ccc .ccc-content--dark .ccc-button-solid
span{background:#fff;color:#111125;font-weight:700}.ccc-notify-link{border:0!
important;text-decoration:underline}#ccc .ccc-content--light #ccc-
notify,#ccc .ccc-content--light #ccc-notify
span{fill:#000;background:#f4f4f4;color:#000}#ccc .ccc-content--light .ccc-
notify-button,#ccc .ccc-content--light .ccc-notify-button span{border-
color:#000;color:#000}#ccc .ccc-content--light .ccc-button-solid,#ccc .ccc-
content--light .ccc-button-solid span{background:#000;color:#fff;font-
weight:700}.ccc-info-link{font-size:.8em;font-weight:700;text-
decoration:none}.ccc-info-link .svg-element{height:14px;margin-
left:6px;width:14px}#ccc .ccc-module--slideout .ccc-
info{height:100px}#ccc[popup] .ccc-info{height:40px}@media
print{#ccc{display:none!important}}#ccc-close-label{display:block;font-
size:16px}#ccc .ccc-panel--indent #ccc-title{padding-right:180px}#ccc-
close.ccc-close--labelled{padding:8px!important;right:0;top:0}#ccc-content.ccc-
content--light #ccc-close.ccc-close--labelled{background-color:#eaeaea}#ccc-
content.ccc-content--dark #ccc-close.ccc-close--labelled{background-
color:#111125}#ccc-end{margin:16px 0 32px}#ccc-dismiss-
button{display:block}#ccc .ccc-content--highlight .ccc-link.ccc-
tabbable:focus{filter:invert(100%);padding:8px}#ccc .ccc-content--highlight.ccc-
content--light .ccc-link.ccc-tabbable:focus{background-color:#eaeaea!
important;border-color:#eaeaea!important}#ccc .ccc-content--highlight.ccc-
content--dark .ccc-link.ccc-tabbable:focus{background-color:#111125!
important;border-color:#111125!important}#ccc .ccc-content--highlight #ccc-
close:focus,#ccc .ccc-content--highlight .ccc-button-solid:focus,#ccc .ccc-
content--highlight .checkbox-toggle-input:focus~.checkbox-toggle-
toggle,#ccc .ccc-content--highlight .third-party-cookie-
link:focus{filter:invert(100%)}#ccc .ccc-content--highlight.ccc-content--
light .ccc-tabbable:focus{box-shadow:0 4px 8px 0 hsla(0,0%,100%,.2),0 6px
20px 0 hsla(0,0%,100%,.2)}#ccc .ccc-content--highlight.ccc-content--dark .ccc-
tabbable:focus{box-shadow:0 4px 8px 0 rgba(0,0,0,.2),0 6px 20px 0
rgba(0,0,0,.2)}#ccc .checkbox-toggle:focus-within{outline:auto}#ccc #ccc-
icon.ccc-icon--no-outline,#ccc .ccc-content--no-outline *,#ccc .ccc-content--no-
outline .ccc-tabbable{outline:none}#ccc .ccc-content--highlight .ccc-
tabbable:active,#ccc .ccc-content--highlight .ccc-tabbable:hover,#ccc .ccc-icon--
highlight:active,#ccc .ccc-icon--highlight:hover{box-shadow:none!
important;filter:none!important}.ccc-
panel{left:24px;position:absolute;right:24px;top:24px}.ccc-
panel.hidden{height:0;opacity:0;overflow:hidden}.ccc-
panel.visible{height:auto;opacity:1;transition:opacity .4s}#ccc .iab-
vendor,#ccc .optional-vendor{margin:0 0 8px}#ccc .optional-vendor{font-
size:.875em}#ccc .optional-vendor-heading{font-weight:700;padding-
left:24px;text-decoration:underline}#ccc .ccc-vendor-reveal{align-
items:center;background:transparent;border:1px dotted;display:flex;font-
size:.875em;opacity:.5;transition:opacity .4s}#ccc .ccc-vendor-reveal:focus,#ccc
.ccc-vendor-reveal:hover{opacity:1}#ccc .ccc-legal-description{margin-
top:1rem}#ccc .ccc-vendor-reveal svg{height:16px;margin-
left:8px;width:16px}#ccc .optional-vendor-warning{align-
```

```

items:center;display:flex}#ccc .optional-vendor-warning
svg{height:16px;margin-right:8px;width:16px}#ccc .optional-vendor-
content{padding-left:24px}#ccc .iab-vendor-heading{font-size:.875em;font-
weight:400;text-decoration:underline}#ccc .cmp-button-holder{display:flex;font-
size:.75em;justify-content:space-between}#ccc .cmp-
back{opacity:.5;transition:opacity .4s}#ccc .cmp-back:hover{opacity:1}.ccc-sr-
only{clip:rect(0,0,0,0);border:0;height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}@-webkit-keyframes
fade-in{0%{opacity:0}to{opacity:1}}@keyframes fade-in{0%
{opacity:0}to{opacity:1}}@-webkit-keyframes slide-right{0%
{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-right{0%{transform:translate3d(-
100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-left{0%
{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@-
webkit-keyframes slide-up{0%
{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@keyframes
slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@-
webkit-keyframes box-slide-up{0%{transform:translate3d(-
50%,100%,0)}to{transform:translate3d(-50%,-50%,0)}}@keyframes box-slide-
up{0%{transform:translate3d(-50%,100%,0)}to{transform:translate3d(-50%,-
50%,0)}}@-webkit-keyframes slide-down{0%{transform:translate3d(0,-
100%,0)}to{transform:translateZ(0)}}@keyframes slide-down{0%
{transform:translate3d(0,-100%,0)}to{transform:translateZ(0)}}#ccc .iab-
object{height:48px;position:relative;width:98%}#ccc .iab-object.iab-object--
vendor{width:85%}#ccc .iab-object .checkbox-toggle-
checkbox{left:0;right:auto;top:4px}#ccc .iab-object .checkbox-toggle-
checkbox-label{height:18px;width:18px}#ccc .iab-object .checkbox-toggle--checkbox
input:checked~.checkbox-toggle-label:after{border-width:0 2px 2px
0;height:8px;left:7px;top:3px;width:3px}#ccc .iab-object-
checkbox-label{display:block;font-size:.75em;margin-left:32px}#ccc .vendor-details{font-
size:.75rem;margin-bottom:16px}#ccc .vendor-details h4{margin:.5rem
0}#ccc .ccc-title.ccc-title--iab{margin-bottom:1rem}#ccc .iab-header-
toggle{align-items:center;display:flex;margin-bottom:1rem}#ccc .iab-header-
toggle .ccc-title{margin:0 0 0 16px}#ccc .iab-header-toggle .ccc-vendor-reveal
svg{margin:0}#ccc .iab-vendor-toggle .checkbox-toggle{top:auto}#ccc .iab-
vendor-toggle h3{padding-right:180px}#ccc .iab-disclosure-load{align-
items:center;display:flex}#ccc .iab-disclosure-load button{margin-
right:12px}#ccc .iab-disclosure-load a{text-decoration:none}#ccc .iab-
disclosure-load a>span{position:relative;top:-2px}#ccc .iab-disclosure-load
a>.ccc-svg-element{top:4px}#ccc .iab-disclosure-table{border-
collapse:collapse;margin:2em 0;width:100%}#ccc .iab-disclosure-table
td,#ccc .iab-disclosure-table th{border:1px solid}#ccc .iab-disclosure-table
thead td{border:none}#ccc .ccc-content--dark td,#ccc .ccc-content--dark
th{border-color:#fff}#ccc .iab-disclosure-table dl{display:grid;grid-
template:auto/1fr 1fr;width:150px}#ccc .iab-disclosure-table ul{list-
style:none}#ccc .iab-disclosure-table dl,#ccc .iab-disclosure-table
ul{margin:0;padding:0}#ccc .iab-disclosure-table dd,#ccc .iab-disclosure-table
dt,#ccc .iab-disclosure-table li{border-bottom:1px solid
rgba(0,0,0,.1);margin:0;padding:.3em .5em}#ccc .ccc-content--dark .iab-
disclosure-table dd,#ccc .ccc-content--dark .iab-disclosure-table dt,#ccc .ccc-
content--dark .iab-disclosure-table li{border-bottom:1px solid
hsla(0,0%,100%,.1)}#ccc .ccc-content--dark .iab-disclosure-table li:last-
child{border:none}#ccc .iab-disclosure-table td,#ccc .iab-disclosure-table

```

th{padding:1em;vertical-align:top}#ccc .iab-disclosure-table tr:nth-child(2n)  
{background:rgba(0,0,0,.1)}#ccc .ccc-content--highlight .ccc-  
tabbable:hover{outline:auto}</style><style>#ccc, #ccc button {font-family:  
fsemeric, arial, san-serif !important;}#ccc #ccc-content, #ccc #ccc-notify  
{ background-color: #262626 !important;}#ccc h2, #ccc h3 { font-size: 1.1em !  
important;}#ccc, #ccc p, #ccc .third-party-cookie-link { font-size: 14px !  
important;}#ccc #ccc-title { font-size: 1.4em !important;}#ccc .checkbox-  
toggle-on, #ccc .checkbox-toggle-off { color: #262626 !  
important;}#ccc .checkbox-toggle-toggle { background-color: #262626 !  
important;}#ccc .checkbox-toggle { background-color: #f5f5f5 !important;  
border-color: #f5f5f5 !important;}#ccc .ccc-notify-button.ccc-accept-button,  
#ccc .ccc-notify-button.ccc-accept-button span, #ccc .ccc-notify-button.ccc-  
close-button, #ccc .ccc-notify-button.ccc-close-button span { color: #262626 !  
important;}#ccc .ccc-notify-button.ccc-accept-button, #ccc .ccc-notify-  
button.ccc-accept-button span, #ccc .ccc-notify-button.ccc-close-button,  
#ccc .ccc-notify-button.ccc-close-button span { background-color: #b9db0c !  
important; border-color: #b9db0c !important;}</style><meta http-  
equiv="origin-trial"  
content="AzoawhTRDevLR66Y6MROu167EDncFPBvcKOaQispTo9ouEt5LvcBjnRFq  
iAByRT+2cDHG1Yj4dXwpLeIhc98/  
glAAACFeyJvcmlnaW4iOiJodHRwczovL2RvdWJsZWNSaWNrLm5ldDo0NDMiLCJmZ  
WF0dXJlIjoUJHJpdMfjeVNhbmRib3hBZHNBUElziwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJ  
pc1N1YmRvbWFpbil6dHJ1ZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><meta http-  
equiv="origin-trial"  
content="A6+nc62kbJgC46ypOwRsNW6RkDn2x7tgRh0wp7jb3DtFF7oEhu1hhm4r  
dZH26zXvnKZLIYcBIQUImC4d3kKihAcAAACLeyJvcmlnaW4iOiJodHRwczovL2dvd2d  
sZXN5bmRyY2F0aW9uLmNvbTo0NDMiLCJmZWF0dXJlIjoUJHJpdMfjeVNhbmRib3h  
BZHNBUElziwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1N1YmRvbWFpbil6dHJ1ZSwiaXN  
UaGlyZFBhcnR5Ijp0cnVlfQ=="><meta http-equiv="origin-trial"  
content="A/9La288e7MDEU2ifusFnMg1C2lj6uoa/Z/ylwJIXSsWfK37oESIPbxbt4IU86  
OGqDEPNNVruUiMjfk065H/  
CQwAAACLeyJvcmlnaW4iOiJodHRwczovL2dvd2dsZXRhZ3NlcnZpY2VzLmNvbTo0N  
DMiLCJmZWF0dXJlIjoUJHJpdMfjeVNhbmRib3hBZHNBUElziwiZXhwaXJ5IjoxNjYxMjk  
5MTk5LCJpc1N1YmRvbWFpbil6dHJ1ZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><scr  
ipt src="https://securepubads.g.doubleclick.net/gpt/pubads\_impl\_2022072702.js"  
async=""></script><link rel="preload"  
href="https://adservice.google.co.uk/adsid/integrator.js?  
domain=www.metoffice.gov.uk" as="script"><script type="text/javascript"  
src="https://adservice.google.co.uk/adsid/integrator.js?  
domain=www.metoffice.gov.uk"></script><link rel="preload"  
href="https://adservice.google.com/adsid/integrator.js?  
domain=www.metoffice.gov.uk" as="script"><script type="text/javascript"  
src="https://adservice.google.com/adsid/integrator.js?  
domain=www.metoffice.gov.uk"></script><meta http-equiv="origin-trial"  
content="A9wkrvp9y21k30U9IU7MJMjBj4USjLrGwV+Z8zO3J3ZBH139DOnCv3XLK  
2li40S94HG1SZ/  
Zeg2GSHOD3wIWngYAAAB7eyJvcmlnaW4iOiJodHRwczovL3d3dy5nb29nbGV0YWd  
tYW5hZ2VyLmNvbTo0NDMiLCJmZWF0dXJlIjoUJHJpdMfjeVNhbmRib3hBZHNBUElzi  
wiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1RoXjkUGFydHkiOnRydWV9"><script  
type="text/javascript" async=""  
src="https://googleads.g.doubleclick.net/pagead/viewthroughconversion/  
823950598/?  
random=1659422808669&cv=9&fst=1659422808669&num=1&  
amp;bg=ffffff&guid=ON&resp=GooglemKTybQhCsO&u\_h=844&a

```
mp;u_w=390&u_ah=844&u_aw=390&u_cd=32&u_his=6&a
mp;u_tz=60&u_java=false&u_nplug=0&u_nmime=0>m=2
wg7r0&sendb=1&ig=1&frm=0&url=https%3A%2F
%2Fwww.metoffice.gov.uk%2Fpublic%2Fweather%2Fforecast
%2Fmap&ref=https%3A%2F%2Fwww.metoffice.gov.uk%2Fweather
%2Fclimate%2Fscience&tiba=UK%20weather%20forecast%20map%20-
%20Met
%20Office&gdpr_consent=CPdF8uyPdF8uyEDAJBENCaCsAP_AAH_AAAwII7Nf
_X_b3_j-5__t0eY1f9_7_-0zjhfdt-
8N3f_X_L8X_2M7vF36pq4KuR4ku3bBIQdlHOncTUmX6oIVrzPsbk2cr7NKJ7Pkmnsbe
2dYGH9_n9_z_ZKZ7____7_-
____v_3____997f3____9____8Edmv_r_t7_z_f9_
_26PMav-_9__aZxwvu2_eG7v_r_l-
L_7Gd3i79W18FXI8SXbtgkIO2jnTuJqTY9USq15n2NybOV9mIE_nyTT2NvbOsDD-_z-
_5_slM9____9____3____-
AA&gdpr=1&hn=www.googleadservices.com&async=1&rfr
m=3&fmt=4"></script></head>
<body class=""><div id="ccc" role="region" aria-label="Cookie preferences"
aria-live="polite" style="z-index: 2147483647;"></div>
<!-- Google Tag Manager -->
<!-- Enable Google Tag Manager support for TCF -->
<script>window['gtag_enable_tcf_support'] = true;</script>

<script type="text/javascript">/*!CDATA[
(function(w,d,s,l,i){w[l]=w[l]||[];w[l].push({'gtm.start':
 new Date().getTime(),event:'gtm.js'});var f=d.getElementsByTagName(s)
[0],
 j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
 '//www.googletagmanager.com/gtm.js?
id='+i+dl;f.parentNode.insertBefore(j,f);
})(window,document,'script','dataLayer','GTM-5LKBR7');
//]]></script>
<!-- End Google Tag Manager -->

<div class="header-container">
 <div id="skiplink-container" tabindex="0">
 Skip to main
content
 </div>
 <div class="logo" id="qrcode"></div>

<div id="header">

 <div id="toplevel">
 <div class="headerContent">
 <div id="toplogo">

 </div>
 </div>
 </div>
</div>
```

```

</div>

<div id="toputilnav">
 <div id="headerWarnings">
 <iframe title="Warnings" id="warningsIFrame"
src="/includes/warnings-iframe"></iframe>
 </div>

 <li class="settings">Settings

 <form action="https://www.metoffice.gov.uk/search" method="get"
id="fsrch">
 <fieldset>
 <label for="searchInput">Search</label>
 <input name="query" type="text" id="searchInput"
maxlength="1000" accesskey="4" placeholder="Search...">
 <button type="submit" name="button" id="button"
value="Search"></button>
 </fieldset>
 </form>
</div>
</div>
</div>
</div>

<div id="topNav">

 Weather
 <a href="/weather/climate-change/what-is-climate-change"
title="Climate guide">Climate
 Learning
 Research
 Products
 <a href="/about-us/press-office/news/weather-and-climate"
title="News">News
 <a href="/weather/travel/holiday-weather" title="Holiday
weather">Holiday weather
 </div>
 <div class="secondnav">

 <a href="/weather/warnings-and-advice/uk-warnings" title="Weather
warnings">Weather warnings
 <a href="/weather/specialist-forecasts" title="Specialist
forecasts">Specialist forecasts
 Last 24
hours
 UK
climate
 Weather
guide
 <a href="/weather/travel/holiday-weather" title="Holiday
weather">Holiday weather
 Weather services

 </div>

```



```

 </div>
<div id="bcbar">
 <div id="bcbarcontent">
 <div id="breadcrumb"></div>
 </div>
</div>
</div><div id="moContainer">
 <section id="moContent" role="main">

 <article id="wxContainer" class="wxForecast fc">
<div class="adLeaderboard fc">
 <div id="div-gpt-ad-super-leader" class="adSuperLeader" data-google-query-id="CLfnvtjHp_kCFRBIHQkdEasCMA">

 <div
id="google_ads_iframe_/6002/metoffice.weather/forecast/map_0__container__"
style="border: 0pt none; display: inline-block; width: 728px; height:
90px;"><iframe frameborder="0"
src="https://236e31373008599ed8568d643c4aa781.safeframe.google syndication.com/safeframe/1-0-38/html/container.html"
id="google_ads_iframe_/6002/metoffice.weather/forecast/map_0" title="3rd
party ad content" name="" scrolling="no" marginwidth="0" marginheight="0"
width="728" height="90" data-is-safeframe="true" sandbox="allow-forms allow-
popups allow-popups-to-escape-sandbox allow-same-origin allow-scripts allow-
top-navigation-by-user-activation" role="region" aria-label="Advertisement"
tabindex="0" data-google-container-id="1" data-load-complete="true"
style="border: 0px; vertical-align: bottom;"></iframe></div></div>
</div>
<!-- Beta Banner -->
<!-- HTML -->
<div id="betaBanner" class=""><div class="betaBannerMessage" style="font-size: 1.25rem; font-weight: 600; padding: 16px 8px 16px 24px; border-left: 8px solid rgb(185, 220, 12); margin: 16px 0;">Try our new weather map and tell us what you think.</div></div>

<!-- Javascript -->
<script>

 if (window.location.href.indexOf("beta") > -1) {

 // Show the returned to BAU from Beta banner
 document.getElementById("betaBanner").classList.add("betaBannerShow");

 // Close the banner on button click
 document.getElementById("betaBanner").addEventListener("click", function
() {

document.getElementById("betaBanner").classList.remove("betaBannerShow");
 });

 }

</script>

```

```

<!-- End Beta Banner -->
<div id="molInclude">
 <div id="main" class="nolocation">
 <form id="searchLocationForm"
action="/public/weather/location-search/sitename" method="get">
 <fieldset>
 <label for="searchLocation">Search for a location</label>
 <i class="icon" data-type="utility" data-value="marker" data-
color="black" data-form="search"></i>
 <input name="searchLocation" type="text"
id="searchLocation" placeholder="Search for a location" value="">
 <div id="findMyLocation">Use my current location
<span class="icon" data-type="utility" data-value="crosshair" data-
color="grey" data-form="find">crosshair</div>
 </fieldset>
 </form>
 </div>
<header>
 <h1>UK weather map</h1>
<dl class="recent-locations"><dt>Recent locations</dt></dl></header>
 <i class="icon"
data-color="blue" data-value="arrow-left" data-type="utility"></i>UK
observations map
<div id="mapContainer">
 <div id="mapContent" class="fc">
 <span class="icon" data-type="loader" data-value="loader" data-
color="black" style="display: none;">Loading
 Met
Office
 <div id="mapLayerInteraction" style="display: none;"></div>
 <div id="map" class="forecastMap olMap" style="width: 747px; cursor:
move; opacity: 1;">
 <div class="map-tips">
 <div id="mousePosList" class="wxTip"></div>
 <div id="mousePosTooltip" class="wxTip" style="display:
none;"></div>
 <div id="mousePosTooltipMyLoc" class="wxTip" style="display: none;
left: 920.5px; top: 780.067px;">
 <h2>
 Your chosen location:

 </h2>
 </div>
 <div id="genError" class="wxTip" style="display: none;">

 <h2>Error</h2>
 <p>An error has occurred.</p>
 </div>
 </div>
 <div id="OpenLayers_Map_8_OpenLayers_ViewPort" class="olMapViewPort
olControlDragPanActive olControlZoomBoxActive olControlPinchZoomActive
olControlNavigationActive olControlTouchNavigationActive
olControlSelectFeatureActive" style="position: relative; overflow: hidden; width:
100%; height: 100%;"><div id="OpenLayers_Map_8_OpenLayers_Container"

```

```
style="position: absolute; z-index: 749; left: 0px; top: 0px;"><div
id="OpenLayers_Layer_XYZ_41" dir="ltr" class="olLayerDiv olLayerGrid"
style="position: absolute; width: 100%; height: 100%; z-index: 100;"><div
id="OpenLayers_Layer_XYZ_41_bb" class="olBackBuffer" style="position:
absolute; z-index: 99; left: 69px; top: 1499px;"></div></div><div id="OpenLayers_Layer_Vector_115" dir="ltr"
class="olLayerDiv" style="position: absolute; width: 100%; height: 100%; z-
index: 726; left: 0px; top: 0px; display: none;"><svg
id="OpenLayers_Layer_Vector_115_svgRoot" width="980" height="500"
viewBox="0 0 980 500" style="display: block;"><g
id="OpenLayers_Layer_Vector_115_root" transform="" style="visibility: visible;
```

```
opacity: 0; display: none;"><g
id="OpenLayers_Layer_Vector_115_vroot"></g><g
id="OpenLayers_Layer_Vector_115_troot"></g></svg></div><div
id="OpenLayers_Layer_XYZ_121" dir="ltr" class="olLayerDiv olLayerGrid"
style="position: absolute; width: 100%; height: 100%; z-index: 335;"></div><div id="OpenLayers_Layer_XYZ_153" dir="ltr"
class="olLayerDiv olLayerGrid" style="position: absolute; width: 100%; height:
100%; z-index: 340;"></div><div id="OpenLayers_Layer_XYZ_185" dir="ltr" class="olLayerDiv olLayerGrid" style="position: absolute; width: 100%; height: 100%; z-index: 345;"></div>

inherit; opacity: 1; position: absolute; left: 581px; top: 475px; width: 256px; height: 256px;"></div><div id="OpenLayers_Layer_Vector_239" dir="ltr" class="olLayerDiv" style="position: absolute; width: 100%; height: 100%; z-index: 726; left: 0px; top: 0px; display: block;"><svg id="OpenLayers_Layer_Vector_239_svgRoot" width="980" height="500" viewBox="0 0 980 500" style="display: block;"><g id="OpenLayers_Layer_Vector_239_root" transform="" style="visibility: visible; display: block;"><g id="OpenLayers_Layer_Vector_239_vroot"><image id="OpenLayers_Geometry_Point_245" cx="424.30471073078945" cy="189.73544829925072" r="1" preserveAspectRatio="none" x="400" y="166" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity: 1" transform="rotate(0 424.30471073078945 189.73544829925072)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_247" cx="538.0369780558684" cy="347.04089080041626" r="1" preserveAspectRatio="none" x="514" y="323" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity: 1" transform="rotate(0 538.0369780558684 347.04089080041626)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_249" cx="484.2997333003314" cy="215.60403304227043" r="1" preserveAspectRatio="none" x="460" y="192" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity: 1" transform="rotate(0 484.2997333003314 215.60403304227043)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_251" cx="529.901866897662" cy="309.503378471039" r="1" preserveAspectRatio="none" x="506" y="286" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w15.png" style="opacity: 1" transform="rotate(0 529.901866897662 309.503378471039)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_253" cx="577.936569397964" cy="408.0788808432362" r="1" preserveAspectRatio="none" x="554" y="384" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity: 1" transform="rotate(0 577.936569397964 408.0788808432362)" fill="" fill-

opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_255" cx="611.0117695894411"
cy="397.0962932315847" r="1" preserveAspectRatio="none" x="587" y="373"
width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 611.0117695894411 397.0962932315847)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_257" cx="500.6336711726687"
cy="411.82448665002585" r="1" preserveAspectRatio="none" x="477"
y="388" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 500.6336711726687 411.82448665002585)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_259" cx="568.7569782337109"
cy="318.9814086349877" r="1" preserveAspectRatio="none" x="545" y="295"
width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w12.png"
style="opacity: 1" transform="rotate(0 568.7569782337109
318.9814086349877)" fill="" fill-opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_261" cx="610.58396514252"
cy="341.6285561734014" r="1" preserveAspectRatio="none" x="587" y="318"
width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 610.58396514252 341.6285561734014)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_263" cx="575.5881960510355"
cy="343.93266327413994" r="1" preserveAspectRatio="none" x="552"
y="320" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 575.5881960510355 343.93266327413994)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_265" cx="540.5537425148829"
cy="381.4434143752271" r="1" preserveAspectRatio="none" x="517" y="357"
width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 540.5537425148829 381.4434143752271)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_267" cx="556.4712537181426"
cy="290.92485052301936" r="1" preserveAspectRatio="none" x="532"
y="267" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 556.4712537181426 290.92485052301936)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_269" cx="533.4016713623673"
cy="162.58869920141842" r="1" preserveAspectRatio="none" x="509"
y="139" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 533.4016713623673 162.58869920141842)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_271" cx="469.32885321366285"
cy="377.13747448039135" r="1" preserveAspectRatio="none" x="445"
y="353" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w10.png"
style="opacity: 1" transform="rotate(0 469.32885321366285

377.13747448039135)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_273" cx="463.6035554027405" cy="130.98181352445135" r="1" preserveAspectRatio="none" x="440" y="107" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w15.png" style="opacity: 1" transform="rotate(0 463.6035554027405 130.98181352445135)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_275" cx="518.5604979431163" cy="276.71358305470517" r="1" preserveAspectRatio="none" x="495" y="253" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w15.png" style="opacity: 1" transform="rotate(0 518.5604979431163 276.71358305470517)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_277" cx="414.39011511783684" cy="250.45999836948363" r="1" preserveAspectRatio="none" x="390" y="226" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity: 1" transform="rotate(0 414.39011511783684 250.45999836948363)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_279" cx="505.66037342399125" cy="346.0727718125247" r="1" preserveAspectRatio="none" x="482" y="322" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity: 1" transform="rotate(0 505.66037342399125 346.0727718125247)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_281" cx="464.8778665212288" cy="176.3667461030268" r="1" preserveAspectRatio="none" x="441" y="152" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w15.png" style="opacity: 1" transform="rotate(0 464.8778665212288 176.3667461030268)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_283" cx="446.07950196795787" cy="266.21747931604295" r="1" preserveAspectRatio="none" x="422" y="242" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity: 1" transform="rotate(0 446.07950196795787 266.21747931604295)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_285" cx="483.7945599640735" cy="322.4408712269992" r="1" preserveAspectRatio="none" x="460" y="298" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w11.png" style="opacity: 1" transform="rotate(0 483.7945599640735 322.4408712269992)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_287" cx="460.56113760734974" cy="429.90264775715605" r="1" preserveAspectRatio="none" x="437" y="406" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w5.png" style="opacity: 1" transform="rotate(0 460.56113760734974 429.90264775715605)" fill="" fill-opacity="1" stroke="none"></image><image id="OpenLayers_Geometry_Point_289" cx="508.70961788608815" cy="384.1641499550301" r="1" preserveAspectRatio="none" x="485" y="360" width="48" height="48" xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity: 1" transform="rotate(0 508.70961788608815 384.1641499550301)" fill="" fill-

opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_291" cx="499.0157511633023"
cy="247.45824124771593" r="1" preserveAspectRatio="none" x="475"
y="223" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 499.0157511633023 247.45824124771593)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_293" cx="508.50481788490254"
cy="211.99082539278834" r="1" preserveAspectRatio="none" x="485"
y="188" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 508.50481788490254 211.99082539278834)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_295" cx="555.0012448207436"
cy="31.10452784765107" r="1" preserveAspectRatio="none" x="531" y="7"
width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w15.png"
style="opacity: 1" transform="rotate(0 555.0012448207436
31.10452784765107)" fill="" fill-opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_297" cx="578.1823293993867"
cy="383.18095600260585" r="1" preserveAspectRatio="none" x="554"
y="359" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 578.1823293993867 383.18095600260585)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_299" cx="544.2446936473614"
cy="251.13818274869777" r="1" preserveAspectRatio="none" x="520"
y="227" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 544.2446936473614 251.13818274869777)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_301" cx="496.1826844802346"
cy="181.15769861342642" r="1" preserveAspectRatio="none" x="472"
y="157" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity:
1" transform="rotate(0 496.1826844802346 181.15769861342642)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_303" cx="549.0961781198918"
cy="404.93131010713" r="1" preserveAspectRatio="none" x="525" y="381"
width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 549.0961781198918 404.93131010713)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_305" cx="435.7462041303592"
cy="117.41342421545005" r="1" preserveAspectRatio="none" x="412" y="93"
width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity:
1" transform="rotate(0 435.7462041303592 117.41342421545005)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_307" cx="510.6574934529202"
cy="107.52848400061862" r="1" preserveAspectRatio="none" x="487" y="84"
width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w7.png" style="opacity:
1" transform="rotate(0 510.6574934529202 107.52848400061862)" fill="" fill-

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opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_309" cx="485.59793775229133"
cy="181.37074905671966" r="1" preserveAspectRatio="none" x="462"
y="157" width="48" height="48"
xlink:href="/public/lib/images/icons/set2/wxSymbols/48/w8.png" style="opacity:
1" transform="rotate(0 485.59793775229133 181.37074905671966)" fill="" fill-
opacity="1" stroke="none"></image><image
id="OpenLayers_Geometry_Point_311" cx="489.9999999999977"
cy="230.3081251721935" r="1" preserveAspectRatio="none" x="482" y="223"
width="15" height="15"
xlink:href="/public/lib/images/icons/set2/wxSymbols/15/../../../../graphics/
spacer.png" style="opacity: 1" transform="rotate(0 489.9999999999977
230.3081251721935)" fill="" fill-opacity="1" stroke="none"></image></g><g
id="OpenLayers_Layer_Vector_239_troot"></g></g></svg></div></div><div
id="OpenLayers_Control_PanZoomBar_4" class="olControlPanZoomBar
olControlNoSelect" unselectable="on" style="position: absolute; left: 4px; top:
4px; z-index: 1004; cursor: pointer;"><div
id="OpenLayers_Control_PanZoomBar_4_panup" class="olButton"
style="position: absolute; left: 13px; top: 4px; width: 18px; height: 18px; cursor:
pointer;"></div><div
id="OpenLayers_Control_PanZoomBar_4_panleft" class="olButton"
style="position: absolute; left: 4px; top: 22px; width: 18px; height: 18px; cursor:
pointer;"></div><div
id="OpenLayers_Control_PanZoomBar_4_panright" class="olButton"
style="position: absolute; left: 22px; top: 22px; width: 18px; height: 18px;
cursor: pointer;"></div><div
id="OpenLayers_Control_PanZoomBar_4_pandown" class="olButton"
style="position: absolute; left: 13px; top: 40px; width: 18px; height: 18px;
cursor: pointer;"></div><div
id="OpenLayers_Control_PanZoomBar_4_zoomin" class="olButton"
style="position: absolute; left: 16px; top: 16px; width: 32px; height: 32px;
cursor: pointer; display: block;"><i class="icon" data-type="utility" data-
value="add" data-color="blue">Zoom in</i></div><div
id="OpenLayers_Control_PanZoomBar_ZoombarOpenLayers_Map_8"
class="olButton" style="background-image:
url(&quot;/public/weather/lib/images/controls/zoombar.png&quot;); left: 13px;
top: 81px; width: 18px; height: 176px; position: absolute; cursor:
pointer;"></div><div
id="OpenLayers_Control_PanZoomBar_4_OpenLayers_Map_8" style="position:
absolute; left: 12px; top: 192px; width: 20px; height: 9px; cursor: move;"></div><div
id="OpenLayers_Control_PanZoomBar_4_zoomout" class="olButton

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zoomDisabled" style="position: absolute; left: 16px; top: 49px; width: 32px;
height: 32px; cursor: pointer; display: block; "><i class="icon" data-
type="utility" data-value="remove" data-color="grey">Zoom
in</i></div></div><div id="OpenLayers_Control_SelectFeature_117"
class="olControlSelectFeature olControlNoSelect" unselectable="on"
style="position: absolute; z-index: 1005;"></div><div
id="OpenLayers_Control_SelectFeature_119" class="olControlSelectFeature
olControlNoSelect" unselectable="on" style="position: absolute; z-index:
1006;"></div><div id="OpenLayers_Control_SelectFeature_227"
class="olControlSelectFeature olControlNoSelect" unselectable="on"
style="position: absolute; z-index: 1007;"></div><div
id="OpenLayers_Control_SelectFeature_229" class="olControlSelectFeature
olControlNoSelect" unselectable="on" style="position: absolute; z-index:
1008;"></div><div id="OpenLayers_Control_SelectFeature_241"
class="olControlSelectFeature olControlNoSelect" unselectable="on"
style="position: absolute; z-index: 1009;"></div><div
id="OpenLayers_Control_SelectFeature_243" class="olControlSelectFeature
olControlNoSelect" unselectable="on" style="position: absolute; z-index:
1010;"></div></div></div>
    <div id="mapCustomise" title="Customise options" class="iconTitleOnly">
        <span class="icon" data-type="utility" data-value="cog" data-
color="blue">Customise</span>
    </div>
    <div id="mapMenu">
        <h2><em>Weather</em> <span class="menuTab menuClosed"
title="Choose a weather type to display"><span
class="menuTabText">Show</span><span class="icon" style="display:inline-
block" data-type="utility" data-color="blue" data-value="arrow-up">arrow
up</span></span></h2>
        <div id="mapMenuContent"><div id="primaryMenuContainer"><form
id="primaryMenu"><fieldset><ul><li class="inputSelected"> <label
for="SignificantWeatherRadio"> <input name="mapMenu" type="radio"
id="SignificantWeatherRadio" value="SignificantWeather"
onchange="overlay.changeOverlay('SignificantWeather')" checked="checked">
        <span>Weather</span> </label></li><li> <label
for="ScreenTemperatureRadio"> <input name="mapMenu"
type="radio" id="ScreenTemperatureRadio" value="ScreenTemperature"
onchange="overlay.changeOverlay('ScreenTemperature')">
        <span>Temperature</span> </label></li><li> <label
for="TemperatureRadio" class=""> <input name="mapMenu"
type="radio" id="TemperatureRadio" value="Temperature"
onchange="overlay.changeOverlay('Temperature')">
        <span>Temperature map</span> </label></li><li> <label
for="FeelsLikeTemperatureRadio"> <input name="mapMenu"
type="radio" id="FeelsLikeTemperatureRadio" value="FeelsLikeTemperature"
onchange="overlay.changeOverlay('FeelsLikeTemperature')">
        <span>Feels like temperature</span> </label></li><li> <label
for="RainfallRadio" class=""> <input name="mapMenu" type="radio"
id="RainfallRadio" value="Rainfall"
onchange="overlay.changeOverlay('Rainfall')">
        <span>Rainfall</span> </label></li><li> <label for="PressureRadio"
class=""> <input name="mapMenu" type="radio" id="PressureRadio"
value="Pressure" onchange="overlay.changeOverlay('Pressure')">
        <span>Surface pressure</span> </label></li><li> <label

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for="CloudAndRainRadio" class="">          <input name="mapMenu"
type="radio" id="CloudAndRainRadio" value="CloudAndRain"
onchange="overlay.changeOverlay('CloudAndRain')">          <span>Cloud
and rain</span>    </label></li><li> <label for="WindRadio">          <input
name="mapMenu" type="radio" id="WindRadio" value="Wind"
onchange="overlay.changeOverlay('Wind')">          <span>Wind</span>
    </label></li><li> <label for="GustSpeedRadio">          <input
name="mapMenu" type="radio" id="GustSpeedRadio" value="GustSpeed"
onchange="overlay.changeOverlay('GustSpeed')">          <span>Wind
gust</span>    </label></li><li> <label for="MaxUVIndexRadio">
    <input name="mapMenu" type="radio" id="MaxUVIndexRadio"
value="MaxUVIndex" onchange="overlay.changeOverlay('MaxUVIndex')">
    <span>UV</span>    </label></li><li> <label for="CloudRadio"
class="">          <input name="mapMenu" type="radio" id="CloudRadio"
value="Cloud" onchange="overlay.changeOverlay('Cloud')">
    <span>Cloud cover</span>    </label></li><li> <label
for="PollenRadio">          <input name="mapMenu" type="radio"
id="PollenRadio" value="Pollen" onchange="overlay.changeOverlay('Pollen')">
    <span>Pollen count</span>
    </label></li></ul></fieldset></form></div></div>
</div>
<div id="mapError" class="wxTip">
</div>
<div id="mapBorderLeft" style="z-
index:100;position:absolute;width:5px;height:100%"></div></div>
<div id="timelineContent">
    <div id="timelineHead">
        <div id="timelineControls">
            <div id="timeDisplayPrint"><time datetime="2022-08-
02T06:00:00.000Z" class="fullDate">07:00 on Tue 2 Aug 2022</time></div>
            <span id="sliderAnimate" class="playOff iconTitleOnly playOn" data-
tip="Play animation">
                <span class="icon" data-type="utility" data-value="play" data-
color="blue" data-tip="Play animation">play</span>
            </span>
            <span id="sliderSpeed" class="speedOff1 iconTitleOnly" data-
tip="Change speed">
                <em>1x</em>
                <span class="icon" data-type="utility" data-value="chevron-right"
data-color="blue">forward</span>
            </span>
        </div>
        <div id="timeDisplay" class="mapTimeTooltip" data-
tip="useldTextContent #timeDisplayDataTip" style="cursor:pointer"><time
datetime="2022-08-02T06:00:00.000Z" class="shortDate">07:00
Tue</time><span id="timeDisplayDataTip" style="display:none"><time
datetime="2022-08-02T06:00:00.000Z" class="fullDate">07:00 on Tue 2 Aug
2022</time> - (UK local time ) - Click to toggle this in map area</span></div>
        <div id="mapIssuedByDateContainer" style=""><span>Issued at:
</span><time datetime="2022-08-02T03:00:00.000Z" class="fullDate">04:00
on Tue 2 Aug 2022</time></div>
    </div>
    <div id="timeLine">
        <div id="slider">

```

```

<div id="slideBar" class="ui-slider ui-slider-horizontal ui-widget ui-
widget-content ui-corner-all">
  <div id="slideBarFill">
    <ul id="timeBar"><li
style="left:947px"><em>7380</em></li><li
style="left:924px"><em>7200</em></li><li
style="left:901px"><em>7020</em><time datetime="2022-08-
07T00:00:00.000Z" class="ddd">Sun</time></li><li
style="left:878px"><em>6840</em></li><li
style="left:855px"><em>6660</em></li><li
style="left:831px"><em>6480</em></li><li
style="left:808px"><em>6300</em></li><li
style="left:785px"><em>6120</em></li><li
style="left:762px"><em>5940</em></li><li
style="left:739px"><em>5760</em></li><li
style="left:716px"><em>5580</em><time datetime="2022-08-
06T00:00:00.000Z" class="ddd">Sat</time></li><li
style="left:693px"><em>5400</em></li><li
style="left:670px"><em>5220</em></li><li
style="left:646px"><em>5040</em></li><li
style="left:623px"><em>4860</em></li><li
style="left:600px"><em>4680</em></li><li
style="left:577px"><em>4500</em></li><li
style="left:554px"><em>4320</em></li><li
style="left:531px"><em>4140</em><time datetime="2022-08-
05T00:00:00.000Z" class="ddd">Fri</time></li><li
style="left:508px"><em>3960</em></li><li
style="left:485px"><em>3780</em></li><li
style="left:461px"><em>3600</em></li><li
style="left:438px"><em>3420</em></li><li
style="left:415px"><em>3240</em></li><li
style="left:392px"><em>3060</em></li><li
style="left:369px"><em>2880</em></li><li
style="left:346px"><em>2700</em><time datetime="2022-08-
04T00:00:00.000Z" class="ddd">Thu</time></li><li
style="left:323px"><em>2520</em></li><li
style="left:300px"><em>2340</em></li><li
style="left:276px"><em>2160</em></li><li
style="left:253px"><em>1980</em></li><li
style="left:230px"><em>1800</em></li><li
style="left:207px"><em>1620</em></li><li
style="left:184px"><em>1440</em></li><li
style="left:161px"><em>1260</em><time datetime="2022-08-
03T00:00:00.000Z" class="ddd">Wed</time></li><li
style="left:138px"><em>1080</em></li><li
style="left:115px"><em>900</em></li><li
style="left:91px"><em>720</em></li><li
style="left:68px"><em>540</em></li><li
style="left:45px"><em>360</em></li><li
style="left:22px"><em>180</em></li><li
style="left:-1px"><em>0</em><time datetime="2022-08-02T03:00:00.000Z"
class="ddd">Tue</time></li></ul>
    <span id="slideScreen"></span>
  </div>

```

```
<div class="ui-slider-range ui-widget-header ui-corner-all ui-slider-range-min" style="width: 2.439057439802707%;"></div><span class="ui-slider-handle ui-state-default ui-corner-all" tabindex="0" style="left: 2.439057439802707%;"></span></div>
```

```
</div>
```

```
<div id="sliderTooltip" class="wxTip sliderTip">
```

```
<label></label>
```

```
<span class="arrow"></span>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div id="mapKey"></div>
```

```
</div>
```

```
<div class="columns">
```

```
<div class="c1and2container">
```

```
<div class="c1">
```

```
<!-- The Regional UK 5 days and UK 6-30 days-->
```

```
<div id="textForecast">
```

```
<h2>Forecast summary</h2>
```

```
<ul id="textNav" style="display: table;">
```

```
<li id="tabText2" class="tabActive">UK 5 days</li>
```

```
<li id="tabText3">UK 6-30 days</li>
```

```
</ul>
```

```
<!-- The UK 5 days Tab -->
```

```
<section id="moduleText2" class="textModule" style="display: block;">
```

```
<header>
```

```
<h3>UK forecast for the next 5 days</h3>
```

```
<h4>Some rain or showers; mostly fine and hot in southeast.</h4>
```

```
</header>
```

```
<h4>Today:</h4>
```

```
<p>Occasional rain, with some heavy bursts possible at first, edging southwards across central parts of UK. Skies brightening across Scotland and Northern Ireland, with only scattered light showers. Staying bright and very warm across southern and eastern England. Breezy, humid.</p>
```

```
<h4>Tonight:</h4>
```

```
<p>Humid with patchy rain, drizzle and hill fog across parts of England and Wales, although the far south probably mainly dry. Further north, often cloudy with some showery rain developing.</p>
```

```
<h4>Wednesday:</h4>
```

```
<p>Patchy light rain and drizzle in parts of southern England should clear, then some very warm sunshine again across much of England and Wales. Northwest UK cloudier with occasional showers.</p>
```

```
<h4>Outlook for Thursday to Saturday:</h4>
```

```
<p>Showers, locally heavy with a risk of thunder clearing from Scotland through Friday. Further rain follows for the northwest late in the day and into the weekend. Elsewhere, mainly fine.</p>
```

```
<p class="issueDate">Updated at: 0118 on Tue 2 Aug 2022</p>
```

```
</section>
```

```
<!-- The UK 6-30 days Tab -->
```

```
<section id="moduleText3" class="textModule" style="display: none;">
```

<header>
<h3>Outlook for the UK over the next 6-30 days</h3>
</header>

<h4 class="ukFcstDateHeader">UK Outlook for Saturday 6 Aug 2022 to Monday 15 Aug 2022:</h4>

<p>Most places are likely to see mainly settled weather at the start of this period, with a mix of cloud and sunny spells across the country. However, cloud and outbreaks of rain will spread across northern areas on Saturday, the heaviest of these expected in northwest Scotland. Dry in the south with clear or sunny spells. Isolated showers may affect the north through the weekend and into Monday. Temperatures near normal, or locally warm in parts of the south. The dry weather is likely to persist further into the period, becoming more widespread in the north. Still the chance of some periods of organised rain in the north at times. Temperatures becoming widely near normal, but perhaps warm or very warm in the south.</p>

<p class="issueDate">Updated at: 1213 on Mon 1 Aug 2022</p>

<h4 class="ukFcstDateHeader">UK Outlook for Tuesday 16 Aug 2022 to Tuesday 30 Aug 2022:</h4>

<p>Dry weather likely to continue in this period for many, but still a chance of some periods of organised rain in the north. These may make incursions further south at times, especially towards the end of the month. For the south and southeast any precipitation is most likely in the form of showers or thunderstorms, although most areas are likely to be drier than average. Temperatures likely continuing to be widely above normal, with the potential for a very warm spell in the south.</p>

<p class="issueDate">Updated at: 1214 on Mon 1 Aug 2022</p>

</section>
</div>

</div>
<div class="c2">

<h2>Change location</h2>
<p>

To view a specific weather location, enter a name (this could be a village, town or city) into the search box and

select the appropriate location from the list provided. You can also search for world forecast locations.

</p>

<p>For web browsers that have geolocation capabilities, you can also use the 'find my location' button to automatically find your location. Find out more in the UK forecast guide.</p><div class="videoContent">

<h2>Video forecast</h2>

<div class="videoWrapper">
<iframe title="Video forecast"
src="//players.brightcove.net/2310970326001/HyCFoK8S_default/index.html?playlistId=2320300299001" allowfullscreen=""></iframe>

</div>
</div>
</div>
<div class="c3">

```
<div id="wxMPU">
  <div class="mpu">
    <div id="div-gpt-ad-mpu" class="adMediumRectangle" data-
google-query-id="CLjnvTjHp_kCFRBIHQkdEasCMA">

      <div
id="google_ads_iframe_/6002/metoffice.weather/forecast/map_1__container__"
style="border: 0pt none; display: inline-block; width: 300px; height:
600px;"><iframe frameborder="0"
src="https://236e31373008599ed8568d643c4aa781.safeframe.googlesyndicatio
n.com/safeframe/1-0-38/html/container.html"
id="google_ads_iframe_/6002/metoffice.weather/forecast/map_1" title="3rd
party ad content" name="" scrolling="no" marginwidth="0" marginheight="0"
width="300" height="600" data-is-safeframe="true" sandbox="allow-forms
allow-popups allow-popups-to-escape-sandbox allow-same-origin allow-scripts
allow-top-navigation-by-user-activation" role="region" aria-
label="Advertisement" tabindex="0" data-google-container-id="2" data-load-
complete="true" style="border: 0px; vertical-align:
bottom;"></iframe></div></div>
    </div>
  </div>

  <div class="listLinks">
    <h2 class="related-info">Related pages</h2>
    <ul>
      <li><a href="/weather/warnings-and-advice/uk-warnings">UK severe
weather warnings</a></li>
      <li><a href="/public/weather/surface-pressure/">Surface pressure
charts</a></li>
    </ul>
  </div><div class="listLinks weatherLinks">
    <h2 class="related-info">More information</h2>
    <ul>
      <li><a href="/weather/guides/uk-forecast">UK forecast
guide</a></li>
      <li><a href="/weather/guides/what-does-this-forecast-mean">Key to
symbols and terms</a></li>
      <li><a href="/research/climate/maps-and-data/uk-climate-
averages" title="UK climate information">What is normal?</a></li>
      <li><a href="/public/weather/verification/">How are we
doing?</a></li>
    </ul>
  </div>
  </div>
  </div>
  <div id="symbols" data-symbol-c="°C" data-symbol-f="°F" data-
symbol-mph="mph" data-symbol-kph="km/h" data-symbol-kn="kn" data-
symbol-mps="m/s" data-symbol-hpa="hPa" data-symbol-pr-in="inHg" data-
symbol-di-in="" data-symbol-mm="mm" data-symbol-bft="Beaufort" data-
symbol-km="km" data-symbol-m="miles"></div>
</div>
</div>
</article>
</section>
</div>
```



```
<div class="adLeaderboard fc bottomAdd">
<div id="ad-bottom" class="adBottom" data-google-query-
id="CKLPvNjHp_kCFRBIHQkdEasCMA" style="display: none;">
<script>
googletag.cmd.push(function() { googletag.display('ad-bottom'); });
</script>
<div
id="google_ads_iframe_/6002/metoffice.weather/forecast/map_2__container__"
style="border: 0pt none; width: 970px; height: 0px;"></div></div>
</div>
<div class="footer-container">
<div id="footer">
<div class="quicklinks">
<div class="row">
<div id="follow" class="half-column">
<h2>Follow us on</h2>
<ul>
<li><a href="https://www.facebook.com/metoffice" title="Like us on
Facebook"></a></li>
<li><a href="https://twitter.com/metoffice" title="Follow @metoffice on
Twitter"></a></li>
<li><a href="https://www.youtube.com/user/TheMetOffice"
title="YouTube"></a></li>
<li><a href="https://www.instagram.com/metoffice/?ref=badge" class="ig-b- ig-
b-32" title="Instagram"></a></li>
</ul>
</div>
<div id="updates" class="half-column">
<h2>Get updates</h2>
<ul>
<li>
<a href="/about-us/guide-to-emails">Email alerts</a>
</li>
<li>
<a href="/weather/guides/rss">RSS</a>
</li>
</ul>
</div>
</div>
<div id="contact">
<h2>Contact us</h2>
<ul>
<li>
<a href="/about-us/contact">Contact Us</a>
</li>
<li>
<a href="/about-us/press-office/contact-press-office">Contact the Press
Office</a>
</li>
</ul>
</div>
```

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</ul>
</div>
<div id="moCustom"><h2>Settings</h2><p>Here you are able to personalise
the Met office website to work specifically for your needs. <span
class="moCustomWidgetDesc">We have grouped particular <em>content
panels</em> into their own categories which you are able to choose from,
alternatively you can select as many or as few content panels you would like to
be displayed to best suit your needs.</span> Site-wide settings are available for
<em>units of measurement</em><span
class="moCustomMapPreferencesDesc"> and you can set
<em>boundaries</em>, <em>place names</em> and <em>map
detail</em> in the Map preferences section</span>.</p><ul
id="moCustomOptions"> <li id="tab_moCustomWidgets" style="display:
none;">Homepage content</li> <li id="tab_moCustomMapPreferences"
style="display: none;">Map preferences</li> <li id="tab_moCustomUnits"
class="active">Units of measurement</li></ul><form><fieldset
class="moCustomUnits moCustomPanel" style="display: block;">
  <p>Select the units you would like to use on your forecasts. Applies to
graphical, tabulated and location based map displays only:</p> <fieldset>
    <ul>
      <li>Temperature</li>
      <label for="rbTemperatureC" class="menuUnits"
id="lblTemperatureC">
        <input type="radio"
name="rbTemperature" id="rbTemperatureC" checked="">
        <span>Celsius</span>
      </li>
      <li>
        <label
for="rbTemperatureF" class="menuUnits" id="lblTemperatureF">
        <input type="radio" name="rbTemperature"
id="rbTemperatureF">
        <span>Fahrenheit</span>
      </li>
      <li>
        <label for="altTemp"
class="menuUnits">
        <input type="checkbox"
name="altTemp" id="altTemp">
        <span><span
class="hc" data-tip="This feature can assist people with a vision impairment by
changing the background colour of the temperature/feels like symbols on the
map & temperature graphs">information</span>High-contrast colours on
the map temperature / feels like symbols & temperature graphs</span>
        </li>
    </ul>
  </fieldset>
  <fieldset>
    <ul>
      <li>Wind speed</li>
      <label for="rbWindSpeedMph"
class="menuUnits" id="lblWindSpeedMph">
        <input
type="radio" name="rbWindSpeed" id="rbWindSpeedMph" checked="">
        <span>Miles per hour</span>
      </li>
      <li>
        <label
for="rbWindSpeedKmph" class="menuUnits" id="lblWindSpeedKmph">
        <input type="radio" name="rbWindSpeed"
id="rbWindSpeedKmph">
        <span>Kilometres per
hour</span>
      </li>
      <li>
        <label for="rbWindSpeedKt" class="menuUnits"
id="lblWindSpeedKt">
        <input type="radio"
name="rbWindSpeed" id="rbWindSpeedKt">
        <span>Knots</span>
      </li>
      <li>
        <label
for="rbWindSpeedMps" class="menuUnits" id="lblWindSpeedMps">
        <input type="radio" name="rbWindSpeed" id="rbWindSpeedMps">

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        <span>Metres per second</span>
    </label>
    </li>
    <li>
        <label for="rbWindSpeedBft" class="menuUnits" id="lblWindSpeedBft">
            <input type="radio" name="rbWindSpeed"
id="rbWindSpeedBft">
                <span>Beaufort</span>
            </label>
        </li>
    </ul> </fieldset>
    <fieldset>
        <ul>
            <li>Pressure</li>
            <label for="rbPressureHpa" class="menuUnits"
id="lblPressureHpa">
                <input type="radio"
name="rbPressure" id="rbPressureHpa" checked="">
                    <span>Hectopascals</span>
            </label>
            <li>
                <label for="rbPressureIn"
class="menuUnits" id="lblPressureIn">
                    <input
type="radio" name="rbPressure" id="rbPressureIn">
                        <span>Inches</span>
                </label>
            </li>
        </ul> </fieldset>
        <fieldset>
            <ul>
                <li>Rainfall</li>
                <label
for="rbRainfallMm" class="menuUnits" id="lblRainfallMm">
                    <input type="radio" name="rbRainfall" id="rbRainfallMm" checked="">
                        <span>Millimetres</span>
                </label>
                <li>
                    <label for="rbRainfallIn" class="menuUnits" id="lblRainfallIn">
                        <input type="radio" name="rbRainfall" id="rbRainfallIn">
                            <span>Inches</span>
                    </label>
                </li>
            </ul> </fieldset>
            <fieldset>
                <ul>
                    <li>Visibility</li>
                    <label
for="rbVisibilityText" class="menuUnits" id="lblVisibiltyText">
                        <input type="radio" name="rbVisibility" id="rbVisibilityText"
checked="">
                            <span>Description</span>
                    </label>
                    <li>
                        <label for="rbVisibilityNum" class="menuUnits" id="lblVisibiltyNum">
                            <input type="radio" name="rbVisibility"
id="rbVisibilityNum">
                                <span>Kilometres</span>
                        </label>
                    </li>
                </ul> </fieldset>
                <li>Distance</li>
                <label for="rbDistanceM" class="menuUnits"
id="lblDistanceM">
                    <input type="radio"
name="rbDistance" id="rbDistanceM" checked="">
                        <span>Miles</span>
                </label>
                <li>
                    <label for="rbDistanceKm"
class="menuUnits" id="lblDistanceKm">
                        <input
type="radio" name="rbDistance" id="rbDistanceKm">
                            <span>Kilometres</span>
                    </label>
                </li>
            </ul> </fieldset>
        </fieldset>
        <fieldset>
            <div class="moCustomMapPreferences moCustomPanel" style="display:
none;"><p>Select the map detail you would like to see (check all
required):</p>
                <fieldset>
                    <ul>
                        <li>Boundaries
                            <label for="rbregions"
class="menuUnits" id="lblregions">
                                <input
type="checkbox" value="true" name="rbregions" id="rbregions" checked="">
                                    <span>UK regions</span>
                            </label>
                        <li>
                            <label for="rbsubregions" class="menuUnits" id="lblsubregions">
                                <input type="checkbox" value="true"

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name="rbsubregions" id="rbsubregions">
    <span>Local authorities</span>                                </label>
    </li>                </ul> </fieldset> <fieldset>          <ul>
    <li>Places / roads                </li>                <li>
    <label for="rbplacenames_new" class="menuUnits"
id="lblplacenames_new">                                <input
type="checkbox" value="true" name="rbplacenames_new"
id="rbplacenames_new" checked="">                                <span>Towns
and cities</span>                                </label>                </li>
    <li>                                <label for="rbtransport" class="menuUnits"
id="lbltransport">                                <input type="checkbox"
value="true" name="rbtransport" id="rbtransport">
    <span>Roads</span>                                </label>
    </li>                </ul> </fieldset> <fieldset>          <ul>
    <li>Detail                </li>                <li>
    <label for="rbcoast_new" class="menuUnits" id="lblcoast_new">
    <input type="checkbox" value="true"
name="rbcoast_new" id="rbcoast_new" checked="">
    <span>Coastline</span>                                </label>
    </li>                <li>                                <label for="rbterrain"
class="menuUnits" id="lblterrain">                                <input
type="checkbox" value="true" name="rbterrain" id="rbterrain" checked="">
    <span>Terrain</span>                                </label>
    </li>                </ul>
    </fieldset> </fieldset> <fieldset class="moCustomButtons">    <input
type="button" disabled="" name="save" id="save" class="moButton disabled"
value="Save">    <button type="button" name="close" id="close"
value="Cancel">Cancel</button>    <button type="button" name="reset"
id="reset" value="Reset to default">Reset to
default</button> </fieldset> </form> </div>
</div>
<div class="footerutils">
<ul class="utils">
<li><a title="Contact us" href="/about-us/contact">Contact us</a> </li>
<li><a title="Help" href="/weather/guides">Help</a> </li>
<li><a title="Accessibility"
href="/about-us/website/accessibility">Accessibility</a> </li>
<li><a title="Legal" href="/about-us/legal">Legal</a> </li>
<li><a title="Privacy policy" href="/about-us/legal/privacy">Privacy
policy</a> </li>
<li><a title="Cookies policy" href="/about-us/legal/cookies">Cookies
policy</a> </li>
<li><a title="Jobs and careers" href="/about-us/careers">Jobs and
careers</a> </li>
</ul>
<div class="licence"><a href="/about-us/legal#licences"><span
class="printonly"></span><br>
© Crown copyright</a></div>
</div>
</div>
</div>
<script>

```

```

var moMenu = {
init: function() {
//delete this function
}
}
var pageType = "forecastMap";
//-----
//map scripts -----
//plot pin location and temporary tooltip on map
if (typeof myLocation !== "undefined") {
myLocation.plot('marker');
//show temporary tooltip
myLocation.tempTooltip();
}
</script>
<script>
/* Override some functions that are used in mo.js but not needed in TIDE pages
*/
function _(s, force) {return s;}
//function doTranslation(useDefaultSelector, addSelectorStr) {}
function doWidgetTranslation(widgetId) {return;}
</script>
<script>
src="https://ajax.googleapis.com/ajax/libs/jquery/1.7.2/jquery.min.js"></script>
<script src="https://code.jquery.com/ui/1.11.2/jquery-ui.min.js"></script>
<script src="/public/lib/scripts/common/jquery.mousewheel.min.js"></script>
<script src="/public/lib/scripts/metoffice.date.js"></script>
<script>
src="/public/pws/lib/javascript/api/metoffice.data-1.4.0.js"></script><script>
src="/public/lib/scripts/compiled/5.14.0/metoffice.lang.js"></script>
<script>
var page = {
location: {
id: "gcv5g7wzw",
name: "Muirkik",
n: "gcv5g7wzw",
l: "55.5",
g: "-4",
co: "Scotland",
isInternational: "false"
},
selectedTab: "map",
config: {
id: "forecast",
locationBased: false,
//notices: Object,
//tabs: Array[5],
title: "UK forecast"
},
queryString: "",
map: {
zoom: 5
}
}

```

```
//-----
//map scripts -----
//plot pin location and temporary tooltip on map
if (typeof myLocation !== "undefined") {
myLocation.plot('marker');
//show temporary tooltip
myLocation.tempTooltip();
}
</script><script src="/tide/minified/scripts/common/common-
desktop.min.6bd46e091ff8805ee10f69e87aa7bb3b.js"></script>
<script
src="/tide/minified/scripts/weather.min.f5d5bf27b5cc855d9b282bb8d657905e.js
"></script>
<script src="/public/lib/scripts/OpenLayers-2.13.1/OpenLayers_MO.js"></script>
<script
src="/tide/minified/scripts/moCookies.min.1db9c847e7778a74b224cd9847bd599
9.js"></script>
<script
src="/tide/minified/scripts/moCustomise.min.c7595b7a5d53ee1141c5119b17f4f
461.js"></script>
<script
src="/tide/minified/scripts/molcon.min.a82812db7d733c6748e7009a0046b1d6.js
"></script>
<script
src="/tide/minified/scripts/adClosable.min.085104167087e36efad325ea61fd6f79
.js"></script>
<script
src="/tide/minified/scripts/moFooter.min.5db876ad9c5c778334af0d53fdcb8a6f.js
"></script>
<script
src="/tide/minified/scripts/mo.min.23017d650d967a10e241fdd0784f797e.js"></
script><div id="callout" class="wxTip callout"></div>
<script
src="/tide/minified/scripts/loadWarnings.min.3c7f0dc3c85bb7eb979016fdcd204f
c4.js"></script>
<script
src="/tide/minified/scripts/slider.min.f523518efa0d43ffed3a2bed0ba0038e.js"><
/script>
<script
src="/tide/minified/scripts/mapGen.min.4b2e323fccd0bc0d971cc2d88a4818d0.js
"></script><div id="popup" style="display:none;"></div><div id="window"
style="display:none;"><div id="aboutClose" style="text-
align:right;cursor:pointer;color:#fff;">Close</div><p>About
Content</p></div><ul id="myMenu" class="contextMenu"><li id="chLoc0"
class="zoomLoc" style="display: block;"><a href="#zoomLoc">Zoom to my
chosen location</a></li><li id="chLoc1" class="zoomReg" style="display:
block;"><a href="#zoomReg">Zoom to my chosen region</a></li><li
id="chLoc4" class="zoomReg"></li><li id="chLoc2" class="myLocation
separator" style="display: block;"></li><li id="chLoc3" class="centreMap"
style="display: block;"><a href="#myLocation">Centre on my chosen
location</a></li><li class="centreMap"><a href="#centreMap">Centre map
here</a></li></ul>
```

```
<script
src="/tide/minified/scripts/mapSettings.min.5f58144be63991f9b4ff2e7ffb7d79b1
.js"></script>
<script
src="/tide/minified/scripts/moLocations.min.9a02b765448fb79dfd4979981d9ee4
be.js"></script>
<script
src="/tide/minified/scripts/googleAdsTargeting.min.4eef6ba68e6811d000092405
58e62278.js"></script>
<script src="/public/adhoc/mo-adhoc.js" defer=""></script>
<script data-src="/tide/scripts/delete-analytics-cookies.js" type="text/plain"
data-run-after-consent="" data-consent-purposes="!1"></script>
<script src="/tide/scripts/run-scripts-requiring-consent.js"></script><iframe
src="https://236e31373008599ed8568d643c4aa781.safeiframe.googlesyndication.com/safeiframe/1-0-38/html/container.html" style="visibility: hidden; display: none;"></iframe>
<iframe name="__tcfapiLocator" style="display: none;"></iframe><iframe
src="https://tpc.googlesyndication.com/sodar/sodar2/225/runner.html"
width="0" height="0" style="display: none;"></iframe><iframe
src="https://www.google.com/recaptcha/api2/iframe" width="0" height="0"
style="display: none;"></iframe></body></html><html lang="en"><head>
<link rel="preconnect" href="https://cc.cdn.civiccomputing.com"
crossorigin="anonymous">
<link rel="preload" href="/webfiles/1658483350597/js/common/set-body-class.js" as="script">
<link rel="preload" href="/webfiles/1658483350597/js/common/run-ab-test.js"
as="script">
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=Edge">
<meta name="robots" content="max-image-preview:large">
<meta name="viewport" content="initial-scale=1.0, width=device-width, viewport-fit=cover">
<meta name="eGMS.accessibility" content="A">
<meta name="eGMS.subject.category" content="Climate and weather">
<meta name="twitter:site" content="@metoffice">
<meta name="twitter:card" content="summary">
<meta property="fb:app_id" content="208580322593329">
<meta property="og:site_name" content="Met Office">
<meta property="og:type" content="website">
<meta property="og:url" content="https://www.metoffice.gov.uk/weather/maps-and-charts/surface-pressure">
<link rel="icon" href="/favicon.png">
<link rel="icon" href="/favicon-dark.png" media="(prefers-color-scheme:dark)">
<link rel="manifest" href="/manifest.json">
<meta name="theme-color" content="#2a2a2a">
<meta property="og:image"
content="https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/high-and-low-pressure.jpg">
<meta property="og:image:width" content="1920">
<meta property="og:image:height" content="960">
<meta name="google-site-verification"
content="LR7Q3483mkrmLcJJZpzl48mNnTbBDVzjA3GqT3Q2M">
<meta name="google-translate-customization" content="f8c19e614cd5ee7e-37428b41ac444aca-gd1bc91f73b6940ae-14">
```

```
<link rel="canonical" href="https://www.metoffice.gov.uk/weather/maps-and-
charts/surface-pressure">
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/base.css"
type="text/css">
<script type="text/javascript" async=""
src="https://www.googleadservices.com/pagead/conversion_async.js"></
script><script type="text/javascript" async="" src="https://www.google-
analytics.com/analytics.js"></script><script type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
2MWC7FCEB2&l=dataLayer&cx=c"></script><script
type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
K77XZ36FRH&l=dataLayer&cx=c"></script><script gtm="GTM-
NG48PDS" type="text/javascript" async="" src="https://www.google-
analytics.com/gtm/optimize.js?id=GTM-WFR2SRH"></script><script async=""
src="https://www.googletagmanager.com/gtm.js?id=GTM-NG48PDS"></script>
<script src="/public/adhoc/mo-adhoc.js" defer=""></script>
<script src="/public/gdpr-consent/cookieControl-config.js"
defer="defer"></script>
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/breadcrumb.css"
type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/feedback-banner.css"
type="text/css">
<title>Surface Pressure Charts - Met Office</title>
<meta property="og:title" content="Surface Pressure Charts">
<meta name="title" data-type="string" class="swifttype" content="Surface
Pressure Charts">
<meta name="description" content="Surface pressure charts indicating areas of
high and low pressure and a guide to interpreting weather data">
<meta property="og:description" content="Surface pressure charts indicating
areas of high and low pressure and a guide to interpreting weather data">
<script type="text/javascript"
src="https://securepubads.g.doubleclick.net/tag/js/gpt.js"></script>
<script src="/webfiles/1658483350597/js/minified/advertising.min.js"></script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("ad-bottom","ad-
bottom",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice = window.metoffice || {};
window.metoffice.advertising = window.metoffice.advertising || {};
window.metoffice.advertising.addTargeting("env", "beta");
window.metoffice.advertising.addTargeting("warnings", "false");
//]]>
</script>
<script defer="defer" src="/webfiles/1658483350597/js/preview-block/lazy-load-
preview-block.js"></script>
<style>
/*<![CDATA[*]
```



```

.preview-block-image-9641c38d-6fda-4782-aea3-49a95077e3cc {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
synoptic-charts.jpg/synoptic-charts.jpg/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-9641c38d-6fda-4782-aea3-49a95077e3cc {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
synoptic-charts.jpg/synoptic-charts.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-9641c38d-6fda-4782-aea3-49a95077e3cc {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
synoptic-charts.jpg/synoptic-charts.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-9641c38d-6fda-4782-aea3-49a95077e3cc {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
synoptic-charts.jpg/synoptic-charts.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-fb3b63f8-77de-4619-932d-94b675387079 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
waving-front.jpg/waving-front.jpg/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-fb3b63f8-77de-4619-932d-94b675387079 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
waving-front.jpg/waving-front.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-fb3b63f8-77de-4619-932d-94b675387079 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
waving-front.jpg/waving-front.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-fb3b63f8-77de-4619-932d-94b675387079 {

```

```

background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/weather/atmosphere/
waving-front.jpg/waving-front.jpg/metofficegovuk%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-9be26d35-e6a6-4fea-ae86-ce65d8537a82 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-globe-temperatures.png/visual-cortex-globe-
temperatures.png/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-9be26d35-e6a6-4fea-ae86-ce65d8537a82 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-globe-temperatures.png/visual-cortex-globe-
temperatures.png/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-9be26d35-e6a6-4fea-ae86-ce65d8537a82 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-globe-temperatures.png/visual-cortex-globe-
temperatures.png/metofficegovuk%3AcontentBlockSmall');
}
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-9be26d35-e6a6-4fea-ae86-ce65d8537a82 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-globe-temperatures.png/visual-cortex-globe-
temperatures.png/metofficegovuk%3AcontentBlockMedium');
}
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-599d6405-2233-43b8-a97c-a5f650930276 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-
images/visual-cortex-pressure-bars-over-globe.jpg/visual-cortex-pressure-bars-
over-globe.jpg/metofficegovuk%3AcontentBlockXSmall');
}
}
@media only screen and (min-width: 768px) {
.preview-block-image-599d6405-2233-43b8-a97c-a5f650930276 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-

```

```

images/visual-cortex-pressure-bars-over-globe.jpg/visual-cortex-pressure-bars-over-globe.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-599d6405-2233-43b8-a97c-a5f650930276 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-images/visual-cortex-pressure-bars-over-globe.jpg/visual-cortex-pressure-bars-over-globe.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-599d6405-2233-43b8-a97c-a5f650930276 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/maps-satellite-images/visual-cortex-pressure-bars-over-globe.jpg/visual-cortex-pressure-bars-over-globe.jpg/metofficegovuk%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<script>
//
window.metoffice.advertising.addSlotConfiguration("mpuOnly","mpuOnly",false);
//]]&gt;
&lt;/script&gt;
&lt;script src="/webfiles/1658483350597/js/minified/surface-pressure.min.js"&gt;&lt;/script&gt;
&lt;link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/surface-pressure.css"
type="text/css"&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyRight","skyRight",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyLeft","skyLeft",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("forecastLeader","forecastLeader",false);
//]]&gt;
&lt;/script&gt;
&lt;script&gt;
//<![CDATA[
window.metoffice.advertising.allocateLeaderAdspotSpace = (window.innerWidth
&lt;= 1630 &amp;&amp; window.innerWidth &gt;= 975)?"130px":"0px"
//]]&gt;
&lt;/script&gt;
</pre>
</div>
```

```
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/article.css"
type="text/css">
<script>
dataLayer = [];
</script>
<script src="https://cc.cdn.civiccomputing.com/9/cookieControl-9.6.1.min.js"
integrity="sha384-aqvFY6jJZz7P1H3oZsg8o0LwTPPzfe8oAUERJ960teK4rPG+
+iAX5I5gyu0iEzf" crossorigin="anonymous"></script><style>.ccc-disable-
scroll{overflow-y:scroll;position:fixed}#ccc{font-family:Arial,sans-serif;font-
size:16px;line-height:1.4em;position:fixed;z-index:2147483647}#ccc-
icon{background:transparent;border:0;bottom:0;cursor:pointer;height:80px;padd-
ing:0;position:fixed;width:80px;z-index:20}#ccc-icon.ccc-icon--left{left:0}#ccc-
icon.ccc-icon--right{right:0}#ccc-icon.ccc-icon--dark{fill:#000025}#ccc-
icon.ccc-icon--dark #star path{fill:#fff}#ccc-icon.ccc-icon--light{fill:#555}#ccc-
icon.ccc-icon--light #star path{fill:#f4f4f4}#ccc-overlay{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:fade-in;animation-
name:fade-in;-webkit-backface-visibility:hidden;backface-
visibility:hidden;background:rgba(0,0,0,.4);bottom:0;left:0;opacity:1;perspective:
0;position:fixed;right:0;top:0;will-change:opacity;z-index:1}#ccc-
module{height:100%;position:fixed;width:100%;z-index:2}#ccc-module.ccc-
module--slideout{bottom:0;max-width:520px;top:0;width:90%}#ccc-module.ccc-
module--slideout.ccc-module--left{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-right;animation-name:slide-right;left:0}#ccc-
module.ccc-module--slideout.ccc-module--right{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:slide-left;animation-
name:slide-left;right:0}#ccc-content{box-sizing:border-
box;height:100%;overflow-
y:auto;padding:24px;position:absolute;width:100%}.ccc-content--
dark{fill:#fff;background-color:#313147;color:#fff}.ccc-content--
light{fill:#333;background-color:#f4f4f4;color:#333}#ccc-close{align-
items:center;background-
color:transparent;border:0;cursor:pointer;display:flex;padding:0!
important;position:absolute;right:16px;top:16px;z-index:10}#ccc-title,.ccc-
title{font-size:1.2em;font-weight:700;line-height:1.5em;margin:0;padding-
right:32px;text-align:left}#ccc #ccc-recommended-
settings{clear:both;float:none;margin-left:0}#ccc h2,#ccc h3{font-
weight:700;margin:0;padding-right:120px}#ccc h2,#ccc h3,#ccc p,.ccc-
intro{font-size:1em;line-height:1.5em;text-align:left}#ccc p,.ccc-intro{font-
weight:400;margin:1em 0}#ccc hr{border:0;height:1px;margin:24px
0;opacity:.25}#ccc .ccc-svg-element{display:inline-block;height:16px;margin-
left:8px;position:relative;top:6px;width:16px}#ccc .ccc-content--dark
hr{background-color:#fff}#ccc .ccc-content--dark a,#ccc .ccc-content--dark
h1,#ccc .ccc-content--dark h2,#ccc .ccc-content--dark h3,#ccc .ccc-content--
dark p,#ccc .ccc-content--dark span{fill:#fff;color:#fff}#ccc .ccc-content--light
hr{background-color:#333}#ccc .ccc-content--light a,#ccc .ccc-content--light
h1,#ccc .ccc-content--light h2,#ccc .ccc-content--light h3,#ccc .ccc-content--
light p,#ccc .ccc-content--light span{fill:#333;color:#333}#ccc .optional-
cookie{position:relative}.checkbox-
toggle{margin:0;position:absolute;right:0;top:-3px}#ccc .checkbox-toggle-
input{bottom:0;display:block;height:100%;left:0;margin:0;opacity:0;padding:0;p-
osition:absolute;right:0;top:0;width:100%;z-index:1}#ccc .checkbox-toggle--
```

```

checkbox{border:2px solid #fff;border-radius:4px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-
label{display:block;height:24px;width:24px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-off,#ccc .checkbox-toggle--checkbox.checkbox-
toggle-on{display:none}#ccc .checkbox-toggle--checkbox .checkbox-toggle-
toggle{border-
radius:4px;display:block;height:100%;position:relative;width:100%}#ccc .checkb
ox-toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border:solid
#fff;border-width:0 3px 3px
0;content:"";height:10px;left:9px;position:absolute;top:5px;transform:rotate(45d
eg);width:5px}#ccc .checkbox-toggle--slider{border:4px solid #fff;border-
radius:50px}#ccc .checkbox-toggle--slider .checkbox-toggle-
label{cursor:pointer;display:flex;margin:0;z-index:1}#ccc .checkbox-toggle--
slider .checkbox-toggle-off,#ccc .checkbox-toggle--slider .checkbox-toggle-
on{flex:1;flex-basis:50%;font-size:.75em;font-weight:700;min-
width:40px;padding:0 6px;text-align:center;white-space:nowrap;width:50%;z-
index:2}#ccc .checkbox-toggle--slider .checkbox-toggle-
off{opacity:.65}#ccc .checkbox-toggle--slider .checkbox-toggle-
toggle{background-color:#000;border-
radius:50px;cursor:pointer;display:block;height:100%;left:0;position:absolute;top
:0;transition:all .4s ease;width:50%;z-index:3}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{left:50%}#ccc .checkbox-toggle--
slider.checkbox-toggle--dark{background-color:#111125;border-
color:#111125}#ccc .checkbox-toggle--checkbox.checkbox-toggle-
dark{background-color:#111125;border-color:#fff}#ccc .checkbox-toggle--
dark .checkbox-toggle-toggle{background-color:#2f2f5f}#ccc .checkbox-toggle--
light{background-color:#555;border-color:#555}#ccc .checkbox-toggle--
light .checkbox-toggle-toggle{background-color:#000}#ccc .checkbox-toggle--
light .checkbox-toggle-on,#ccc .checkbox-toggle--slider.checkbox-toggle-
light .checkbox-toggle-off{color:#fff}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{background-color:#fff}#ccc .ccc-
alert{border-radius:8px;margin:24px 0;padding:16px}#ccc .ccc-alert-title{align-
items:center;display:flex;padding:0}#ccc .ccc-alert-icon{display:inline-
block;flex-shrink:0;height:30px;margin:0 8px 0 0;width:30px}#ccc .ccc-alert-
break{margin:12px 0}.third-party-cookie-link{align-
items:center;display:flex;margin:16px 0}.third-party-cookie-name{font-
size:1em;font-weight:700}.third-party-cookie-icon{display:inline-
block;height:16px;margin-left:16px;width:16px}#ccc .ccc-content--dark .ccc-
alert{fill:#fff;background:#111125;color:#fff}#ccc .ccc-content--dark .third-
party-cookie-link{background:#111125;color:#fff}#ccc .ccc-content--light .ccc-
alert,#ccc .ccc-content--light .third-party-cookie-link{background:#eaeaea}#ccc
.ccc-module--popup{-webkit-animation-duration:.4s;animation-duration:.4s;-
webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-
animation-name:slide-up;animation-name:slide-
up;bottom:0;left:0;opacity:1;right:0;top:0}#ccc .ccc-module--popup #ccc-
content{border-radius:12px;height:90%;left:50%;max-height:600px;max-
width:600px;top:50%;transform:translate(-50%,-50%);width:90%}#ccc .ccc-
notify-box-dismiss{display:none!important}@media (min-width:600px){#ccc
#ccc-notify.ccc-notify__box{-webkit-animation-duration:.8s;animation-
duration:.8s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:box-slide-up;animation-name:box-slide-up;border-
radius:12px;box-sizing:border-box;flex-direction:column;height:90%;justify-
content:space-around;left:50%;max-height:240px;max-
width:480px;opacity:1;padding:32px 64px;top:50%;transform:translate(-50%,-

```

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50%);width:90%}#ccc .ccc-notify-box-dismiss{display:block!
important;position:absolute!important;right:16px!important;top:16px!
important}}#ccc #ccc-notify{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-up;animation-name:slide-up;border-
radius:0;bottom:0;display:flex;flex-direction:column;height:auto;justify-
content:space-between;left:0;margin:0;min-
height:48px;opacity:1;overflow:hidden;padding:16px;position:fixed;right:0;z-
index:30}.ccc-notify-text h1{font-size:1em;font-weight:700;line-
height:1.5em;margin:0;padding-right:120px;text-align:left}#ccc #ccc-notify.ccc-
notify__top{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-
animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-
name:slide-down;animation-name:slide-down;bottom:auto;top:0}#ccc #ccc-
notify h3{padding:0}#ccc #ccc-notify p{font-
size:.9em;margin:0;opacity:.8}#ccc .ccc-notify-buttons{margin-
top:16px;padding-right:24px;position:relative}#ccc .ccc-notify-
button{background:transparent;border:2px solid;border-
radius:4px;cursor:pointer;font-size:1em;font-weight:400;line-
height:1.5em;margin:4px 8px 16px 0;padding:8px 16px!important}#ccc #ccc-
notify-dismiss{background-
color:transparent;border:0;cursor:pointer;display:inline-
flex;height:24px;padding:0!important;position:absolute;right:0;top:-
4px;width:24px}@media (min-width:400px){#ccc #ccc-notify-
dismiss{position:relative;right:auto}#ccc .ccc-notify-buttons{padding-
right:0}}@media (min-width:1020px){#ccc #ccc-notify{align-items:center;flex-
direction:row}#ccc .ccc-notify-text{margin-right:16px}#ccc .ccc-notify-
buttons{flex-shrink:0;white-space:nowrap}}@media (min-width:1200px){#ccc
#ccc-notify{font-size:16px;padding:16px 100px;z-index:10}}#ccc .ccc-content--
dark #ccc-notify,#ccc .ccc-content--dark #ccc-notify span{fill:#fff;background-
color:#313147;color:#fff}#ccc .ccc-content--dark .ccc-notify-button,#ccc .ccc-
content--dark .ccc-notify-button span{border-color:#fff;color:#fff}#ccc .ccc-
content--dark .ccc-button-solid,#ccc .ccc-content--dark .ccc-button-solid
span{background:#fff;color:#111125;font-weight:700}.ccc-notify-link{border:0!
important;text-decoration:underline}#ccc .ccc-content--light #ccc-
notify,#ccc .ccc-content--light #ccc-notify
span{fill:#000;background:#f4f4f4;color:#000}#ccc .ccc-content--light .ccc-
notify-button,#ccc .ccc-content--light .ccc-notify-button span{border-
color:#000;color:#000}#ccc .ccc-content--light .ccc-button-solid,#ccc .ccc-
content--light .ccc-button-solid span{background:#000;color:#fff;font-
weight:700}.ccc-info-link{font-size:.8em;font-weight:700;text-
decoration:none}.ccc-info-link .svg-element{height:14px;margin-
left:6px;width:14px}#ccc .ccc-module--slideout .ccc-
info{height:100px}#ccc[popup] .ccc-info{height:40px}@media
print{#ccc{display:none!important}}#ccc-close-label{display:block;font-
size:16px}#ccc .ccc-panel--indent #ccc-title{padding-right:180px}#ccc-
close.ccc-close--labelled{padding:8px!important;right:0;top:0}#ccc-content.ccc-
content--light #ccc-close.ccc-close--labelled{background-color:#eaeaea}#ccc-
content.ccc-content--dark #ccc-close.ccc-close--labelled{background-
color:#111125}#ccc-end{margin:16px 0 32px}#ccc-dismiss-
button{display:block}#ccc .ccc-content--highlight .ccc-link.ccc-
tabbable:focus{filter:invert(100%);padding:8px}#ccc .ccc-content--highlight.ccc-
content--light .ccc-link.ccc-tabbable:focus{background-color:#eaeaea!
important;border-color:#eaeaea!important}#ccc .ccc-content--highlight.ccc-
content--dark .ccc-link.ccc-tabbable:focus{background-color:#111125!}
```

```

important;border-color:#111125!important}#ccc .ccc-content--highlight #ccc-
close:focus,#ccc .ccc-content--highlight .ccc-button-solid:focus,#ccc .ccc-
content--highlight .checkbox-toggle-input:focus~.checkbox-toggle-
toggle,#ccc .ccc-content--highlight .third-party-cookie-
link:focus{filter:invert(100%)}#ccc .ccc-content--highlight.ccc-content--
light .ccc-tabbable:focus{box-shadow:0 4px 8px 0 hsla(0,0%,100%,.2),0 6px
20px 0 hsla(0,0%,100%,.2)}#ccc .ccc-content--highlight.ccc-content--dark .ccc-
tabbable:focus{box-shadow:0 4px 8px 0 rgba(0,0,0,.2),0 6px 20px 0
rgba(0,0,0,.2)}#ccc .checkbox-toggle:focus-within{outline:auto}#ccc #ccc-
icon.ccc-icon--no-outline,#ccc .ccc-content--no-outline *,#ccc .ccc-content--no-
outline .ccc-tabbable{outline:none}#ccc .ccc-content--highlight .ccc-
tabbable:active,#ccc .ccc-content--highlight .ccc-tabbable:hover,#ccc .ccc-icon--
highlight:active,#ccc .ccc-icon--highlight:hover{box-shadow:none!
important;filter:none!important}.ccc-
panel{left:24px;position:absolute;right:24px;top:24px}.ccc-
panel.hidden{height:0;opacity:0;overflow:hidden}.ccc-
panel.visible{height:auto;opacity:1;transition:opacity .4s}#ccc .iab-
vendor,#ccc .optional-vendor{margin:0 0 8px}#ccc .optional-vendor{font-
size:.875em}#ccc .optional-vendor-heading{font-weight:700;padding-
left:24px;text-decoration:underline}#ccc .ccc-vendor-reveal{align-
items:center;background:transparent;border:1px dotted;display:flex;font-
size:.875em;opacity:.5;transition:opacity .4s}#ccc .ccc-vendor-reveal:focus,#ccc
.ccc-vendor-reveal:hover{opacity:1}#ccc .ccc-legal-description{margin-
top:1rem}#ccc .ccc-vendor-reveal svg{height:16px;margin-
left:8px;width:16px}#ccc .optional-vendor-warning{align-
items:center;display:flex}#ccc .optional-vendor-warning
svg{height:16px;margin-right:8px;width:16px}#ccc .optional-vendor-
content{padding-left:24px}#ccc .iab-vendor-heading{font-size:.875em;font-
weight:400;text-decoration:underline}#ccc .cmp-button-holder{display:flex;font-
size:.75em;justify-content:space-between}#ccc .cmp-
back{opacity:.5;transition:opacity .4s}#ccc .cmp-back:hover{opacity:1}.ccc-sr-
only{clip:rect(0,0,0,0);border:0;height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}@-webkit-keyframes
fade-in{0%{opacity:0}to{opacity:1}}@keyframes fade-in{0%
{opacity:0}to{opacity:1}}@-webkit-keyframes slide-right{0%
{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-right{0%{transform:translate3d(-
100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-left{0%
{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@-
webkit-keyframes slide-up{0%
{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@keyframes
slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@-
webkit-keyframes box-slide-up{0%{transform:translate3d(-
50%,100%,0)}to{transform:translate3d(-50%,-50%,0)}}@keyframes box-slide-
up{0%{transform:translate3d(-50%,100%,0)}to{transform:translate3d(-50%,-
50%,0)}}@-webkit-keyframes slide-down{0%{transform:translate3d(0,-
100%,0)}to{transform:translateZ(0)}}@keyframes slide-down{0%
{transform:translate3d(0,-100%,0)}to{transform:translateZ(0)}}#ccc .iab-
object{height:48px;position:relative;width:98%}#ccc .iab-object.iab-object--
vendor{width:85%}#ccc .iab-object .checkbox-
toggle{left:0;right:auto;top:4px}#ccc .iab-object .checkbox-toggle-
label{height:18px;width:18px}#ccc .iab-object .checkbox-toggle--checkbox
input:checked~.checkbox-toggle-toggle:after{border-width:0 2px 2px

```

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wiZXhwaXJ5IjoXNjYxMjk5MTk5LCJpc1RoXjkUGFydHkiOnRydWV9"><script
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%2Fclimate%2Fscience&tiba=Surface%20Pressure%20Charts%20-%20Met
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AA&gdp_r=1&hn=www.googleadservices.com&async=1&rfm
t=3&fmt=4"></script><script
src="https://s2.getsitecontrol.com/widgets/es6/runtime.bc4da13.js"></
script></head>
<body class="user-tabbing tcf-p1 tcf-p2 tcf-p3 tcf-p4"><div id="ccc"
role="region" aria-label="Cookie preferences" aria-live="polite" style="z-index:
2147483647;"></div>
<script src="/webfiles/1658483350597/js/common/set-body-class.js"></script>
<script src="/webfiles/1658483350597/js/common/run-ab-test.js"></script>
<div id="lead-ad-spacer" style="min-height: 0px;"><div class="draggable-
advert forecastLeader" id="forecastLeader" style="display:
none;"></div></div>
<script>
let leadAdSpacer= document.getElementById("lead-ad-spacer");

```

leadAdSpacer.style.minHeight =
window.metoffice.advertising.allocateLeaderAdspotSpace;
</script>
<header id="header">
<div id="skiplink-container" tabindex="0">
<a href="#content" id="skiplink" class="skiplink">Skip to main content</a>
</div>
<div class="upper">
<div class="upper-container container row middle-xs">
<div class="logo col-xs-6 col-sm-8 col-lg-2">
<a href="/"></a>
</div>
<div class="col-xs-6 col-sm-4 hide-lg no-js-hide menu-button">
<button class="mobile-settings" data-settings-control="true"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span>
</button>
<button id="menu-button" aria-haspopup="true" aria-controls="lower-
container">Menu</button>
</div>
<nav aria-label="first level" class="top-menu has-edit-button col-lg-10 show-lg
hide-sm hide-xs">
<ul id="top-level-menu">
<li><a href="/weather" data-topmenu-id="0" aria-controls="menu0" aria-
expanded="true">Weather & climate</a></li>
<li><a href="/research" data-topmenu-id="1" aria-controls="menu1">Research
programmes</a></li>
<li><a href="/services" data-topmenu-id="2" aria-
controls="menu2">Services</a></li>
<li><a href="/about-us" data-topmenu-id="3" aria-controls="menu3">About
us</a></li>
</ul>
</nav>
</div>
<div class="lower">
<div id="lower-container" class="lower-container container row middle-lg" data-
nav="false" data-second-nav="false" data-search="false">
<div class="logo-container">
<div class="logo col-xs-8 col-lg-2">
<a id="menu-open-logo" href="/"><span class="mo-logo">Met
Office</span></a>
</div>
<div class="menu-button col-xs-4 hide-lg no-js-hide">
<button id="close-menu-button" type="button" value="Close" aria-
controls="lower-container" aria-label="Close menu" title="Close menu">
<span class="icon" data-type="global" data-value="close" aria-
hidden="true"></span>
</button>
</div>
</div>

```

```

<form id="site-search-form" class="search-form col-xs-12" role="search"
action="/search" method="get">
<label for="site-search-input" class="off-screen no-js-hide">Search site</label>
<input id="site-search-input" type="search" class="col-sm-11"
placeholder="Search" name="query" autocomplete="off" required="">
<button type="submit" tabindex="-1" value="Search" title="Search" class="col-
sm-1 col-lg-offset-0">
<span class="icon" data-type="global" data-value="search">Search</span>
</button>
<button id="close-search-button" type="button" title="Close" value="Close"
class="no-js-hide">
<span class="icon" data-type="global" data-value="close">x</span>
</button>
</form> <div class="third-level-back col-xs-12 col-lg-12 col-lg-offset-0">
<span id="third-level-back" class="row middle-xs" role="button" tabindex="0"
aria-label="Back to second level menu">

<span>Back</span>
</span>
</div>
<nav aria-label="second level" id="secondary-nav" class="main-menu col-xs-12
col-sm-12 col-lg-11 col-lg-offset-0 no-js-show">
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="0" data-toggle="true"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-0" href="/weather" class="selected">
<div>
<span class="menu-link-text">Weather & climate</span>
<div id="menu-desc-0" class="menu-desc hide-lg">
<span>Everything you need to know about the forecast, and making the most of
the weather.</span>
</div>
</div>

</a>
</div>
<ul id="menu0" data-submenu-id="0" data-toggle="true">
<li>
<a href="/" data-index="0">
Find a forecast

</a>
</li>
<li data-children="true">
<a href="/weather/warnings-and-advice" aria-haspopup="true" aria-
controls="menu0Sub1" data-index="1">
Warnings & advice

```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Warnings & advice</div>
<ul id="menu0Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/warnings-and-advice/uk-warnings" data-index="0">
UK weather warnings

</a>
</li>
<li>
<a href="/weather/warnings-and-advice/uk-storm-centre/index" data-
index="1">
UK Storm Centre

</a>
</li>
<li>
<a class="last" href="/weather/warnings-and-advice/seasonal-advice" data-
index="2">
Seasonal advice

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" aria-
haspopup="true" aria-controls="menu0Sub2" data-index="2">
Maps & charts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Maps & charts</div>
<ul id="menu0Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
```

```
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" data-
index="0">
UK weather map

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/weather/maps-and-charts/rainfall-radar-
forecast-map" data-index="1">
New map beta

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/public/weather/observation/rainfall-
radar" data-index="2">
UK rainfall radar

</a>
</li>
<li>
<a href="/weather/forecast/uk" data-index="3">
UK forecast

</a>
</li>
<li class="selected">
<a href="/weather/maps-and-charts/surface-pressure" data-index="4">
Surface pressure charts

</a>
</li>
<li>
<a class="last" href="/weather/world/list" data-index="5">
All countries

</a>
</li>
</ul>
</div>
</nav>
</li>
```

```
<li data-children="true">
<a href="/weather/climate" aria-haspopup="true" aria-controls="menu0Sub3"
data-index="3">
Climate

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate</div>
<ul id="menu0Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/climate/climate-explained/index" data-index="0">
Climate explained

</a>
</li>
<li>
<a href="/weather/climate-change/what-is-climate-change" data-index="1">
What is climate change?

</a>
</li>
<li>
<a href="/weather/climate-change/causes-of-climate-change" data-index="2">
Causes of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/effects-of-climate-change" data-index="3">
Effects of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/climate-change-questions" data-index="4">
Climate change questions

</a>
</li>
</li>
```

```
<a href="/weather/climate/uk-climate" data-index="5">
UK climate

</a>
</li>
<li>
<a href="/weather/climate/science" data-index="6">
Climate science

</a>
</li>
<li>
<a class="last" href="/weather/climate-change/organisations-and-reports" data-
index="7">
Organisations and reports

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/specialist-forecasts" aria-haspopup="true" aria-
controls="menu0Sub4" data-index="4">
Specialist forecasts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Specialist forecasts</div>
<ul id="menu0Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/specialist-forecasts/coast-and-sea" data-index="0">
Coast and Sea

</a>
</li>
<li>
<a href="/weather/specialist-forecasts/mountain" data-index="1">
Mountain
```

```

</a>
</li>
<li>
<a class="last" href="/weather/specialist-forecasts/space-weather" data-
index="2">
Space Weather

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/learn-about" aria-haspopup="true" aria-
controls="menu0Sub5" data-index="5">
Learn about...

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Learn about...</div>
<ul id="menu0Sub5" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/learn-about/past-uk-weather-events" data-index="0">
Past UK weather events

</a>
</li>
<li>
<a href="/weather/learn-about/weather" data-index="1">
Weather

</a>
</li>
<li>
<a href="/weather/learn-about/how-forecasts-are-made" data-index="2">
How forecasts are made

</a>
```



```
</li>
<li>
<a class="last" href="/weather/learn-about/met-office-for-schools" data-
index="3">
Met Office for Schools

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="1" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-1" href="/research">
<div>
<span class="menu-link-text">Research programmes</span>
<div id="menu-desc-1" class="menu-desc hide-lg">
<span>The latest breakthroughs, research and news from the Met
Office.</span>
</div>
</div>

</a>
</div>
<ul id="menu1" data-submenu-id="1" data-toggle="false">
<li data-children="true">
<a href="/research/approach/index" aria-haspopup="true" aria-
controls="menu1Sub0" data-index="0">
Our approach

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Our approach</div>
<ul id="menu1Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/approach/overview" data-index="0">
Overview by our Chief Scientist

</a>
</li>
```

```
<li>
<a href="/research/approach/how-met-office-science-is-reviewed" data-
index="1">
How Met Office science is reviewed

</a>
</li>
<li>
<a href="/research/approach/collaboration" data-index="2">
Collaboration

</a>
</li>
<li>
<a href="/research/approach/modelling-systems" data-index="3">
Modelling systems

</a>
</li>
<li>
<a href="/research/approach/monitoring" data-index="4">
Monitoring

</a>
</li>
<li>
<a class="last" href="/research/approach/our-scientists/people" data-
index="5">
Our scientists

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/weather" aria-haspopup="true" aria-controls="menu1Sub1"
data-index="1">
Weather science

</a>
```

```
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Weather science</div>
<ul id="menu1Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/weather/atmospheric-dispersion" data-index="0">
Atmospheric dispersion and air quality

</a>
</li>
<li>
<a href="/research/weather/data-assimilation" data-index="1">
Data assimilation

</a>
</li>
<li>
<a href="/research/weather/ensemble-forecasting" data-index="2">
Ensemble forecasting

</a>
</li>
<li>
<a href="/research/weather/observations-research" data-index="3">
Observations research and development

</a>
</li>
<li>
<a href="/research/weather/ocean-forecasting" data-index="4">
Ocean forecasting

</a>
</li>
<li>
<a href="/research/weather/research-to-operations" data-index="5">
Research to operations

</a>
</li>
</li>
```

```
<a href="/research/weather/satellite-applications" data-index="6">
Satellite applications

</a>
</li>
<li>
<a href="/research/weather/verification-impacts-and-post-processing" data-
index="7">
Verification, impacts and post-processing

</a>
</li>
<li>
<a class="last" href="/research/weather/weather-science-it" data-index="8">
Weather science IT

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/climate" aria-haspopup="true" aria-controls="menu1Sub2"
data-index="2">
Climate science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate science</div>
<ul id="menu1Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/climate/cryosphere-oceans" data-index="0">
Climate, cryosphere and oceans

</a>
</li>
<li>
<a href="/research/climate/climate-impacts" data-index="1">
Climate impacts
```

```

</a>
</li>
<li>
<a href="/research/climate/climate-monitoring/index" data-index="2">
Climate monitoring and attribution

</a>
</li>
<li>
<a href="/research/climate/earth-system-science" data-index="3">
Earth system science

</a>
</li>
<li>
<a href="/research/climate/seasonal-to-decadal" data-index="4">
Monthly to decadal prediction

</a>
</li>
<li>
<a href="/research/climate/maps-and-data" data-index="5">
UK climate maps and data

</a>
</li>
<li>
<a class="last" href="/research/climate/understanding-climate" data-
index="6">
Understanding climate change

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/applied" aria-haspopup="true" aria-controls="menu1Sub3"
data-index="3">
Applied science
```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Applied science</div>
<ul id="menu1Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/applied/aviation" data-index="0">
Aviation applications

</a>
</li>
<li>
<a href="/research/applied/international" data-index="1">
Climate information for international development

</a>
</li>
<li>
<a href="/research/applied/climate-security" data-index="2">
Climate security

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="3">
Climate services

</a>
</li>
<li>
<a href="/research/applied/defence" data-index="4">
Defence applications

</a>
</li>
<li>
<a href="/research/applied/post-processing" data-index="5">
Post-processing applications
```

```

</a>
</li>
<li>
<a href="/research/applied/science-for-impacts-resilience-and-adaptation" data-
index="6">
Science for Impacts, Resilience and Adaptation (SIRA)

</a>
</li>
<li>
<a class="last" href="/research/applied/science-health-strategy" data-
index="7">
Science health strategy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/foundation" aria-haspopup="true" aria-
controls="menu1Sub4" data-index="4">
Foundation science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Foundation science</div>
<ul id="menu1Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/foundation/parametrizations" data-index="0">
Atmospheric processes and parametrizations

</a>
</li>
<li>
<a href="/research/foundation/dynamics" data-index="1">
Dynamic research

```

```
</a>
</li>
<li>
<a href="/research/foundation/global-modelling" data-index="2">
Global modelling

</a>
</li>
<li>
<a href="/research/foundation/informatics-lab/index" data-index="3">
Informatics Lab

</a>
</li>
<li>
<a href="/research/foundation/observational-studies" data-index="4">
Observation-based research

</a>
</li>
<li>
<a class="last" href="/research/foundation/regional-model-evaluation-and-
development/index" data-index="5">
Regional model evaluation and development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/research/library-and-archive" data-index="5">
Library

</a>
</li>
<li>
<a href="/research/news" data-index="6">
News

</a>
```



```
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="2" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-2" href="/services">
<div>
<span class="menu-link-text">Services</span>
<div id="menu-desc-2" class="menu-desc hide-lg">
<span>Support your business with world-leading science and
technology.</span>
</div>
</div>

</a>
</div>
<ul id="menu2" data-submenu-id="2" data-toggle="false">
<li data-children="true">
<a href="/services/government" aria-haspopup="true" aria-
controls="menu2Sub0" data-index="0">
Government

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Government</div>
<ul id="menu2Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/government/defence-and-security" data-index="0">
Defence and security

</a>
</li>
<li>
<a href="/services/government/devolved-administrations" data-index="1">
Devolved administrations

</a>
</li>
<li>
<a href="/services/government/environmental-hazard-resilience" data-
index="2">
Environmental Hazard and Resilience Services
```

```

</a>
</li>
<li>
<a class="last" href="/services/government/international-development" data-
index="3">
International development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/transport" aria-haspopup="true" aria-controls="menu2Sub1"
data-index="1">
Transport

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Transport</div>
<ul id="menu2Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/transport/aviation/commercial" data-index="0">
Aviation commercial

</a>
</li>
<li>
<a href="/services/transport/aviation/regulated" data-index="1">
Aviation regulated

</a>
</li>
<li>
<a href="/services/transport/cav" data-index="2">
CAV

</a>
```

```
</li>
<li>
<a href="/services/transport/marine" data-index="3">
Marine

</a>
</li>
<li>
<a href="/services/transport/rail" data-index="4">
Rail

</a>
</li>
<li>
<a class="last" href="/services/transport/road" data-index="5">
Road

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/business-industry" aria-haspopup="true" aria-
controls="menu2Sub2" data-index="2">
Business & industry

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Business & industry</div>
<ul id="menu2Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/business-industry/agriculture" data-index="0">
Agriculture

</a>
</li>
<li>
<a href="/services/business-industry/construction" data-index="1">
Construction
```

```

</a>
</li>
<li>
<a href="/services/business-industry/energy" data-index="2">
Energy

</a>
</li>
<li>
<a href="/services/business-industry/event-management" data-index="3">
Event management

</a>
</li>
<li>
<a href="/services/business-industry/legal-insurance" data-index="4">
Legal and insurance

</a>
</li>
<li>
<a href="/services/business-industry/media" data-index="5">
Media

</a>
</li>
<li>
<a href="/services/business-industry/mining" data-index="6">
Mining

</a>
</li>
<li>
<a href="/services/business-industry/retail" data-index="7">
Retail

</a>
</li>
<li>
```

```
<a class="last" href="/services/business-industry/water" data-index="8">
Water

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/data" aria-haspopup="true" aria-controls="menu2Sub3"
data-index="3">
Data

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Data</div>
<ul id="menu2Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a class="last" href="/services/data" data-index="0">
Weather and climate data

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/research-consulting" aria-haspopup="true" aria-
controls="menu2Sub4" data-index="4">
Research & consulting

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Research & consulting</div>
<ul id="menu2Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/research-consulting/access-a-meteorologist" data-
index="0">
Access a meteorologist
```

```

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="1">
Climate service

</a>
</li>
<li>
<a href="/services/research-consulting/international-programmes" data-
index="2">
International programmes

</a>
</li>
<li>
<a class="last" href="/services/research-consulting/weather-climate-
consultancy" data-index="3">
Weather and climate consultancy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/services/insights" data-index="5">
Insights

</a>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="3" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-3" href="/about-us">
<div>
<span class="menu-link-text">About us</span>
<div id="menu-desc-3" class="menu-desc hide-lg">
<span>Who we are, what we do and organisational news.</span>
</div>
```

```
</div>

</a>
</div>
<ul id="menu3" data-submenu-id="3" data-toggle="false">
<li>
<a href="/about-us/who" data-index="0">
Who we are

</a>
</li>
<li data-children="true">
<a href="/about-us/supplying-the-met-office" aria-haspopup="true" aria-
controls="menu3Sub1" data-index="1">
Supplying the Met Office

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Supplying the Met Office</div>
<ul id="menu3Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/supplying-the-met-office/advertising/sponsorship-
opportunities" data-index="0">
Advertising

</a>
</li>
<li>
<a class="last" href="/about-us/supplying-the-met-office/procurement" data-
index="1">
Procurement

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/press-office" aria-haspopup="true" aria-
controls="menu3Sub2" data-index="2">
Press Office
```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Press Office</div>
<ul id="menu3Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/press-office/news/weather-and-climate" data-index="0">
Weather and climate news

</a>
</li>
<li>
<a href="/about-us/press-office/news/corporate" data-index="1">
Corporate news

</a>
</li>
<li>
<a href="https://blog.metoffice.gov.uk/" data-index="2">
News blog

</a>
</li>
<li>
<a href="/about-us/press-office/media-resources/podcasts" data-index="3">
Podcasts

</a>
</li>
<li>
<a class="last" href="/about-us/press-office/contact-press-office" data-
index="4">
Contact the Press Office

</a>
</li>
</ul>
</div>
</nav>
</li>
```



```
<li data-children="true">
<a href="/about-us/careers" aria-haspopup="true" aria-controls="menu3Sub3"
data-index="3">
Careers

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Careers</div>
<ul id="menu3Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/careers/working-here" data-index="0">
Working at the Met Office

</a>
</li>
<li>
<a href="/about-us/careers/your-career" data-index="1">
Your career

</a>
</li>
<li>
<a href="/about-us/careers/vacancies" data-index="2">
Vacancies

</a>
</li>
<li>
<a href="/about-us/careers/rewards-and-benefits" data-index="3">
Rewards and benefits

</a>
</li>
<li>
<a href="/about-us/careers/equality-diversity-and-inclusion" data-index="4">
Equality, diversity and inclusion

</a>
</li>
<li>
```

```
<a class="last" href="/about-us/careers/apprentices-graduates-and-placements"
data-index="5">
Apprentices, graduates and placements

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/contact" aria-haspopup="true" aria-controls="menu3Sub4"
data-index="4">
Contact us

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Contact us</div>
<ul id="menu3Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/contact" data-index="0">
Contact details

</a>
</li>
<li>
<a href="/forms/website-feedback" data-index="1">
Feedback form

</a>
</li>
<li>
<a class="last" href="/about-us/contact/in-exeter" data-index="2">
How to find us

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
```

```

</div>
</nav>
<hr class="main-menu-divider col-xs-12 hide-lg">
<div id="nav-control" class="nav-control col-xs-12 col-lg-1 col-lg-offset-0">
<div id="nav-control-buttons" class="nav-control-buttons">
<div>
<button id="settings-button" data-settings-control="true" class="hide-xs show-
lg no-js-hide"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span><span
class="icon-label">Settings</span>
</button>
</div>
<div role="search">
<a role="button" id="search-button" href="/search">
<span class="icon" role="img" data-type="global" data-value="search"
title="Expand search"></span>
</a>
</div>
</div>
</div>
<div id="affiliate-links" class="affiliate-links hide-lg"></div>
</div>
</div>
<div class="print-header" aria-hidden="true">

</div>
</header>
<main id="content">
<div class="advert-container">

</div>
<div class="wrap-3-col">
<div class="wrap-3-left">
<div class="advert-container">
<div class="draggable-advert skyLeft" id="skyLeft" style="display:
none;"></div>
</div>
</div>
<div class="wrap-3-mid">
<div class="content-container">
<section id="surface-pressure" class="surface-pressure" aria-
labelledby="surface-pressure-info">
<h1 class="overview-header">Surface pressure charts</h1>
<div class="tab-scroll">
<ul id="sp-table-tabs" role="tablist" class="tab-container no-js-hide">
<li role="presentation" data-tab-id="0" data-tab-index="0" class="tab-active">
<div role="tab" tabindex="0" class="tab-inner" aria-selected="true">
<h2 id="tab0">Colour</h2>
</div>
</li>
<li role="presentation" data-tab-id="1" data-tab-index="1">

```

```
<div role="tab" tabindex="-1" class="tab-inner last" aria-selected="false">
<h2 id="tab1">Black and White</h2>
</div>
</li>
</ul>
</div>
<div id="sp-container" class="tab-content-container">
<div id="content0" role="tabpanel" data-content-id="0" aria-labelledby="tab0"
class="tab-content" aria-hidden="false">
<h3 class="no-screen">Colour</h3>
<div class="surface-pressure-chart">
<ul id="colourCharts">
<li id="chartColour0" class="" data-value="12:00 (UTC) on Mon 1 Aug 2022">

</li>
<li id="chartColour1" class="no-js-block" data-value="00:00 (UTC) on Tue 2 Aug
2022">

</li>
<li id="chartColour2" class="no-js-block" data-value="12:00 (UTC) on Tue 2 Aug
2022">

</li>
<li id="chartColour3" class="no-js-block" data-value="00:00 (UTC) on Wed 3
Aug 2022">

</li>
<li id="chartColour4" class="no-js-block" data-value="12:00 (UTC) on Wed 3
Aug 2022">

</li>
<li id="chartColour5" class="no-js-block" data-value="00:00 (UTC) on Thu 4 Aug
2022">

</li>
<li id="chartColour6" class="no-js-block" data-value="12:00 (UTC) on Thu 4 Aug
2022">

</li>
```

```
<li id="chartColour7" class="no-js-block" data-value="12:00 (UTC) on Fri 5 Aug 2022">

</li>
<li id="chartColour8" class="no-js-block" data-value="12:00 (UTC) on Sat 6 Aug 2022">

</li>
</ul>
</div>
<div class="controls-container no-js-hide">
<div class="controls">
<button id="colourPrevTime" aria-controls="colourCharts" class="prev-time
disabled">
<span class="icon" data-type="chevron-left-black" data-value="left">Scroll
left</span>
</button>
<div id="colourTime" class="time">12:00 (UTC) on Mon 1 Aug 2022</div>
<button id="colourNextTime" aria-controls="colourCharts" class="next-time">
<span class="icon" data-type="chevron-right-black" data-value="right">Scroll
right</span>
</button>
</div>
</div>
</div>
<div id="content1" role="tabpanel" data-content-id="1" aria-labelledby="tab1"
class="tab-content no-js-block" aria-hidden="true">
<h3 class="no-screen">Black and White</h3>
<div class="surface-pressure-chart">
<ul id="bwCharts">
<li id="chartBW0" class="" data-value="12:00 (UTC) on Mon 1 Aug 2022">

</li>
<li id="chartBW1" class="no-js-block" data-value="00:00 (UTC) on Tue 2 Aug 2022">

</li>
<li id="chartBW2" class="no-js-block" data-value="12:00 (UTC) on Tue 2 Aug 2022">

</li>
<li id="chartBW3" class="no-js-block" data-value="00:00 (UTC) on Wed 3 Aug 2022">
```

```

</li>
<li id="chartBW4" class="no-js-block" data-value="12:00 (UTC) on Wed 3 Aug
2022">

</li>
<li id="chartBW5" class="no-js-block" data-value="00:00 (UTC) on Thu 4 Aug
2022">

</li>
<li id="chartBW6" class="no-js-block" data-value="12:00 (UTC) on Thu 4 Aug
2022">

</li>
<li id="chartBW7" class="no-js-block" data-value="12:00 (UTC) on Fri 5 Aug
2022">

</li>
<li id="chartBW8" class="no-js-block" data-value="12:00 (UTC) on Sat 6 Aug
2022">

</li>
</ul>
</div>
<div class="controls-container no-js-hide">
<div class="controls">
<button id="bwPrevTime" aria-controls="bwCharts" class="prev-time
disabled">
<span class="icon" data-type="chevron-left-black" data-value="left">Scroll
left</span>
</button>
<div id="bwTime" class="time">12:00 (UTC) on Mon 1 Aug 2022</div>
<button id="bwNextTime" aria-controls="bwCharts" class="next-time">
<span class="icon" data-type="chevron-right-black" data-value="right">Scroll
right</span>
</button>
</div>
</div>
</div>
</div>
<div class="info">
<div class="issue-time col-xs-12 col-sm-6">
```

Issued at:

<time datetime="2022-08-01T19:33:46Z">

19:33 (UTC) on Mon 1 Aug 2022 </time>

</div>

<div class="chart-key col-xs-12 col-sm-6">

Surface pressure chart key

i

</div>

</div>

<div class="row surface-pressure-description">

<div class="col">

<div id="surface-pressure-info" class="surface-pressure-info">

<p>

Surface pressure charts showing pressure and weather fronts are provided up to five days ahead for Europe and the North East Atlantic.

</p>

<p>

We do not have a text alternative for our surface pressure charts. However, you can view our

UK 5 day forecast for an overview of the national conditions here.

</p>

</div>

<p class="surface-pressure-details">

These charts show the surface pressure pattern using isobars (lines of equal pressure) and indicate areas of high (H) and low pressure (L)

along with their central pressure value. Isobars are represented by solid lines.

High pressure is usually associated with settled weather

while low pressure is normally associated with unsettled weather. Fronts are also

displayed. An analysis chart, which shows the observed

state of the weather, is issued along with forecast charts up to five days ahead.

These are updated every 12 hours around 0730 UTC and 1930 UTC,

with the exception of charts for days four and five which are only issued once per day at 1930 UTC. The reason that these two charts are only

issued once a day is because that far ahead the forecast surface pressure

pattern will change more significantly, due to uncertainty at this

longer time period, and there is limited value in updating it every 12 hours.

</p>

</div>

<div class="mpu-col">

<div class="advert-container">

<div class="draggable-advert mpuOnly" id="mpuOnly" style="display: none;"></div>

</div>

</div>

</div>

</section>

<section class="learn-articles-block preview-block no-print" aria-labelledby="child-articles-heading">

<h2 id="child-articles-heading" class="off-screen">Featured</h2>

<ul class="items heading-hidden">

<li class="preview-block-component">

```
<a href="/weather/learn-about/weather/how-weather-works/synoptic-weather-
chart" class="item">
<div class="image lazy" data-class="preview-block-image-9641c38d-6fda-4782-
aea3-49a95077e3cc">
<noscript>
&lt;div class="image preview-block-image-9641c38d-6fda-4782-aea3-
49a95077e3cc"&gt;&lt;/div&gt;
</noscript>
</div>
<div class="imagetag">LEARN ABOUT</div>
<h3 class="title title-row-2">How to read synoptic weather charts</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component">
<a href="/weather/learn-about/weather/how-weather-works/waving-front"
class="item">
<div class="image lazy" data-class="preview-block-image-fb3b63f8-77de-4619-
932d-94b675387079">
<noscript>
&lt;div class="image preview-block-image-fb3b63f8-77de-4619-932d-
94b675387079"&gt;&lt;/div&gt;
</noscript>
</div>
<div class="imagetag">LEARN ABOUT</div>
<h3 class="title title-row-2">What is a waving front?</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component">
<a href="/weather/learn-about/weather/atmosphere/weather-fronts"
class="item">
<div class="image lazy" data-class="preview-block-image-9be26d35-e6a6-4fea-
ae86-ce65d8537a82">
<noscript>
&lt;div class="image preview-block-image-9be26d35-e6a6-4fea-ae86-
ce65d8537a82"&gt;&lt;/div&gt;
</noscript>
</div>
<div class="imagetag">LEARN ABOUT</div>
<h3 class="title title-row-2">Weather fronts</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component">
```



```

<a href="/weather/learn-about/weather/how-weather-works/high-and-low-
pressure" class="item">
<div class="image lazy" data-class="preview-block-image-599d6405-2233-
43b8-a97c-a5f650930276">
<noscript>
&lt;div class="image preview-block-image-599d6405-2233-43b8-a97c-
a5f650930276"&gt;&lt;/div&gt;
</noscript>
</div>
<div class="imagetag">LEARN ABOUT</div>
<h3 class="title title-row-2">High and low pressure</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
</ul>
</section>
</div>
<div class="advert-container">
<div class="draggable-advert ad-bottom" id="ad-bottom" data-google-query-
id="CLHYuODHp_kCFdZHHQkddNIIPw" style="display: none;"><div
id="google_ads_iframe_/6002/weather/maps-and-charts/surface-
pressure_0__container__" style="border: 0pt none; width: 320px; height:
50px;"></div></div>
</div>
<div>
<div>
</div>
<div>
</div>
<div>
</div>
<div>
</div>
<div>
</div>
<div class="wrap-3-right">
<div class="advert-container">
<div class="draggable-advert skyRight" id="skyRight" style="display:
none;"></div>
</div>
</div>
</div>
</main>
<div class="content-container" role="complementary" aria-label="feedback
banner">
<section class="feedback-banner-component">
<h2 class="feedback-banner-header">Help us improve our website</h2>
<a href="/feedback">Take our short survey</a>
</section></div>
<footer role="contentinfo" aria-label="footer">
<div class="upper">
<div class="content-container row">
<div class="col-xs-12 col-lg-2">


```

```
</div>
<div class="link-column col-xs-12 col-lg-10">
<div class="row">
<div class="left col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-1">
<li>
<a href="https://college.metoffice.gov.uk/">Met Office College</a>
</li>
<li>
<a href="https://library.metoffice.gov.uk/portal">National Meteorological Library
&amp; Archive</a>
</li>
<li>
<a href="https://wow.metoffice.gov.uk">Weather Observations Website
(WOW)</a>
</li>
</ul>
</div>
</div>
<div class="right col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-2">
<li>
<a href="/about-us/website/accessibility">Accessibility</a>
</li>
<li>
<a href="/about-us/legal/privacy">Privacy policy</a>
</li>
<li>
<a href="/about-us/legal/cookies">Cookie policy</a>
</li>
<li>
<a href="/about-us/legal">Legal</a>
</li>
<li>
<a href="/about-us/guide-to-emails">Email updates</a>
</li>
<li>
<a href="/weather/guides/rss">RSS</a>
</li>
</ul>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="lower">
<div class="content-container row">
<div class="app-badges col-sm-6 col-xs-12">
<a class="google-play" href="https://play.google.com/store/apps/details?
id=uk.gov.metoffice.weather.android&referrer=utm_source%3DMet
%2520Office%2520Desktop%2520site%2520apps%2520page">
```

```

</a>
<a class="app-store"
href="https://apps.apple.com/app/apple-store/id1068146838">

</a>
</div>
<div class="follow-icons col-sm-6 col-xs-12 last-sm">
<ul class="horizontal-list">
<li><a href="https://www.facebook.com/metoffice" title="Follow us on
Facebook"><span class="icon" data-type="follow-light" data-
value="facebook"></span></a></li>
<li><a href="https://twitter.com/metoffice" title="Follow us on Twitter"><span
class="icon" data-type="follow-light" data-value="twitter"></span></a></li>
<li><a href="https://www.youtube.com/user/TheMetOffice" title="Follow us on
YouTube"><span class="icon" data-type="follow-light" data-
value="youtube"></span></a></li>
<li><a href="https://www.instagram.com/metoffice/" title="Follow us on
Instagram"><span class="icon" data-type="follow-light" data-
value="instagram"></span></a></li>
<li><a href="https://www.snapchat.com/add/metoffice" title="Follow us on
Snapchat"><span class="icon" data-type="follow-light" data-
value="snapchat"></span></a></li>
<li><a href="https://www.linkedin.com/company/met-office/" title="Follow us on
LinkedIn"><span class="icon" data-type="follow-light" data-
value="linkedin"></span></a></li>
</ul>
</div>
</div>
<div class="content-container row">
<div class="copyright col-xs-12">
<small><a href="/about-us/legal#licences">© Crown Copyright</a></small>
</div>
</div>
</div>
<div class="print-footer">

<p>© Crown Copyright</p>
</div>
</footer>
<div id="settings-container"
data-scripts="/webfiles/1658483350597/js/minified/dialog.min.js
/webfiles/1658483350597/js/minified/edit-preferences.min.js"
data-styles="/webfiles/1658483350597/css/compiled/components/dialog.css"></
div>
<script src="/webfiles/1658483350597/js/minified/global.min.js"></script>
<script>window['gtag_enable_tcf_support'] = true;</script>
<script type="text/javascript">
(function (w, d, s, l, i) {
w[l] = w[l] || [];
w[l].push({</pre></div>
```

```

'gtm.start': new Date().getTime(), event: 'gtm.js'
});
var f = d.getElementsByTagName(s)[0],
j = d.createElement(s), dl = l !== 'dataLayer' ? '&l=' + l : '';
j.async = true;
j.src = 'https://www.googletagmanager.com/gtm.js?id=' + i + dl;
f.parentNode.insertBefore(j, f);
})(window, document, 'script', 'dataLayer', 'GTM-NG48PDS');
//]]></script>
<script data-src="/webfiles/1658483350597/js/common/delete-analytics-cookies.js" type="text/plain" data-run-after-consent="" data-consent-purposes="!1"></script>
<script src="/webfiles/1658483350597/js/common/run-scripts-requiring-consent.js"></script><iframe
src="https://929e12fa78d3699e34da938840957c9b.safeframe.google syndication.com/safeframe/1-0-38/html/container.html" style="visibility: hidden; display: none;"></iframe>

<iframe name="__tcfapiLocator" style="display: none;"></iframe><script
type="text/javascript" id="">"function"===typeof
window.metoffice.getSiteControl&&(window.metoffice.getSiteControl([ {ids:
["56077","56249"],percentageOfUsers:4,timeoutDays:28},{ids:
["108854"],percentageOfUsers:10,timeoutDays:28} ]),window.metoffice.getSiteC
ontrol([ {ids:
["207010"],percentageOfUsers:50,timeoutDays:14} ]),window.metoffice.getSiteC
ontrol([ {ids:["207076"],percentageOfUsers:50,timeoutDays:14} ]));</script>
<script type="text/javascript" id=""
src="//l.getsitecontrol.com/v7nkzx97.js"></script><iframe
src="https://www.google.com/recaptcha/api2/iframe" width="0" height="0"
style="display: none;"></iframe></body></html><html lang="en"><head>
<link rel="preconnect" href="https://cc.cdn.civiccomputing.com"
crossorigin="anonymous">
<link rel="preload" href="/webfiles/1658483350597/js/common/set-body-
class.js" as="script">
<link rel="preload" href="/webfiles/1658483350597/js/common/run-ab-test.js"
as="script">
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=Edge">
<meta name="robots" content="max-image-preview:large">
<meta name="viewport" content="initial-scale=1.0, width=device-width,
viewport-fit=cover">
<meta name="eGMS.accessibility" content="A">
<meta name="eGMS.subject.category" content="Climate and weather">
<meta name="twitter:site" content="@metoffice">
<meta name="twitter:card" content="summary">
<meta property="fb:app_id" content="208580322593329">
<meta property="og:site_name" content="Met Office">
<meta property="og:type" content="website">
<meta property="og:url"
content="https://www.metoffice.gov.uk/services/transport/aviation/
commercial">
<link rel="icon" href="/favicon.png">
<link rel="icon" href="/favicon-dark.png" media="(prefers-color-scheme:dark)">
<link rel="manifest" href="/manifest.json">

```

```
<meta name="theme-color" content="#2a2a2a">
<meta property="og:image"
content="https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/
hero-images/advice/industry/de-icing-a-plane.jpg">
<meta property="og:image:width" content="1920">
<meta property="og:image:height" content="960">
<meta name="google-site-verification"
content="LR7Q3483mkrmLcJJZpzlbl48mNnTbBDVzjA3GqT3Q2M">
<meta name="google-translate-customization" content="f8c19e614cd5ee7e-
37428b41ac444aca-gd1bc91f73b6940ae-14">
<link rel="canonical"
href="https://www.metoffice.gov.uk/services/transport/aviation/commercial">
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/base.css"
type="text/css">
<script type="text/javascript" id="www-widgetapi-script"
src="https://www.youtube.com/s/player/7a7465f5/www-widgetapi.vflset/www-
widgetapi.js" async=""></script><script type="text/javascript" async=""
src="https://www.youtube.com/iframe_api"></script><script
type="text/javascript" async=""
src="https://www.googleservices.com/pagead/conversion_async.js"></
script><script type="text/javascript" async="" src="https://www.google-
analytics.com/analytics.js"></script><script type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
2MWC7FCEB2&l=dataLayer&cx=c"></script><script
type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
K77XZ36FRH&l=dataLayer&cx=c"></script><script gtm="GTM-
NG48PDS" type="text/javascript" async="" src="https://www.google-
analytics.com/gtm/optimize.js?id=GTM-WFR2SRH"></script><script async=""
src="https://www.googletagmanager.com/gtm.js?id=GTM-NG48PDS"></script>
<script src="/public/adhoc/mo-adhoc.js" defer=""></script>
<script src="/public/gdpr-consent/cookieControl-config.js"
defer="defer"></script>
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/breadcrumb.css"
type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/feedback-banner.css"
type="text/css">
<title>Aviation commercial services - Met Office</title>
<meta property="og:title" content="Aviation commercial services">
<meta name="title" data-type="string" class="swifttype" content="Aviation
commercial services">
<meta name="description" content="Site-specific forecasts, on-site
meteorologists, consultancy and training to help airlines, airports and air traffic
control improve business efficiency.">
<meta property="og:description" content="Site-specific forecasts, on-site
meteorologists, consultancy and training to help airlines, airports and air traffic
control improve business efficiency.">
<script defer="defer" src="/webfiles/1658483350597/js/preview-block/lazy-load-
preview-block.js"></script>
<style>
/*<![CDATA[*]
.preview-block-image-e28150d3-379d-47e4-9b2a-aa2e8fab969b {
```

```

background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/plane-
maintenance.jpg/plane-maintenance.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-e28150d3-379d-47e4-9b2a-aa2e8fab969b {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/plane-
maintenance.jpg/plane-maintenance.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-e28150d3-379d-47e4-9b2a-aa2e8fab969b {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/plane-
maintenance.jpg/plane-maintenance.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-e28150d3-379d-47e4-9b2a-aa2e8fab969b {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/plane-
maintenance.jpg/plane-maintenance.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-e454ff33-055b-4bdb-90f6-9049898c4c61 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/travel/
aviation/aeroplanes-waiting-in-snow-at-airport.jpg/aeroplanes-waiting-in-snow-at-
airport.jpg/metofficegovuk%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-e454ff33-055b-4bdb-90f6-9049898c4c61 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/travel/
aviation/aeroplanes-waiting-in-snow-at-airport.jpg/aeroplanes-waiting-in-snow-at-
airport.jpg/metofficegovuk%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-e454ff33-055b-4bdb-90f6-9049898c4c61 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/travel/
aviation/aeroplanes-waiting-in-snow-at-airport.jpg/aeroplanes-waiting-in-snow-at-
airport.jpg/metofficegovuk%3AcontentBlockSmall');
}
}
}

```

```

@media only screen and (min-width: 1280px) {
.preview-block-image-e454ff33-055b-4bdb-90f6-9049898c4c61 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/travel/
aviation/aeroplanes-waiting-in-snow-at-airport.jpg/aeroplanes-waiting-in-snow-at-
airport.jpg/metofficegovuk%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<link imagesizes="100vw" as="image"
imagesrcset="/binaries/content/gallery/metofficegovuk/hero-images/advice/
industry/de-icing-a-plane.jpg/de-icing-a-plane.jpg/metofficegovuk
%3AheroXXLarge 1920w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/de-icing-a-
plane.jpg/de-icing-a-plane.jpg/metofficegovuk%3AheroXLarge 1600w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/de-icing-a-
plane.jpg/de-icing-a-plane.jpg/metofficegovuk%3AheroLarge 1366w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/de-icing-a-
plane.jpg/de-icing-a-plane.jpg/metofficegovuk%3AheroMedium 1024w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/de-icing-a-
plane.jpg/de-icing-a-plane.jpg/metofficegovuk%3AheroSmall 768w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/de-icing-a-
plane.jpg/de-icing-a-plane.jpg/metofficegovuk%3AheroXSmall 640w"
rel="preload"
href="/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/de-
icing-a-plane.jpg/de-icing-a-plane.jpg/metofficegovuk%3AheroMedium">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/bg-contact.css"
type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/dialog.css"
type="text/css">
<script src="/webfiles/1658483350597/js/minified/dialog.min.js"></script>
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/article.css"
type="text/css">
<script>
dataLayer = [];
</script>
<script src="https://cc.cdn.civiccomputing.com/9/cookieControl-9.6.1.min.js"
integrity="sha384-aqvfy6jjZz7P1H3oZsg8o0LwTPPzfe8oAUERJ960teK4rPG+
+iAX5l5gyu0iEzf" crossorigin="anonymous"></script><style>.ccc-disable-
scroll{overflow-y:scroll;position:fixed}#ccc{font-family:Arial,sans-serif;font-
size:16px;line-height:1.4em;position:fixed;z-index:2147483647}#ccc-
icon{background:transparent;border:0;bottom:0;cursor:pointer;height:80px;padd-
ing:0;position:fixed;width:80px;z-index:20}#ccc-icon.ccc-icon--left{left:0}#ccc-
icon.ccc-icon--right{right:0}#ccc-icon.ccc-icon--dark{fill:#000025}#ccc-
icon.ccc-icon--dark #star path{fill:#fff}#ccc-icon.ccc-icon--light{fill:#555}#ccc-
icon.ccc-icon--light #star path{fill:#f4f4f4}#ccc-overlay{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:fade-in;animation-
name:fade-in;-webkit-backface-visibility:hidden;backface-
visibility:hidden;background:rgba(0,0,0,.4);bottom:0;left:0;opacity:1;perspective:
0;position:fixed;right:0;top:0;will-change:opacity;z-index:1}#ccc-

```

```

module{height:100%;position:fixed;width:100%;z-index:2}#ccc-module.ccc-
module--slideout{bottom:0;max-width:520px;top:0;width:90%}#ccc-module.ccc-
module--slideout.ccc-module--left{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-right;animation-name:slide-right;left:0}#ccc-
module.ccc-module--slideout.ccc-module--right{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:slide-left;animation-
name:slide-left;right:0}#ccc-content{box-sizing:border-
box;height:100%;overflow-
y:auto;padding:24px;position:absolute;width:100%}.ccc-content--
dark{fill:#fff;background-color:#313147;color:#fff}.ccc-content--
light{fill:#333;background-color:#f4f4f4;color:#333}#ccc-close{align-
items:center;background-
color:transparent;border:0;cursor:pointer;display:flex;padding:0!
important;position:absolute;right:16px;top:16px;z-index:10}#ccc-title,.ccc-
title{font-size:1.2em;font-weight:700;line-height:1.5em;margin:0;padding-
right:32px;text-align:left}#ccc #ccc-recommended-
settings{clear:both;float:none;margin-left:0}#ccc h2,#ccc h3{font-
weight:700;margin:0;padding-right:120px}#ccc h2,#ccc h3,#ccc p,.ccc-
intro{font-size:1em;line-height:1.5em;text-align:left}#ccc p,.ccc-intro{font-
weight:400;margin:1em 0}#ccc hr{border:0;height:1px;margin:24px
0;opacity:.25}#ccc .ccc-svg-element{display:inline-block;height:16px;margin-
left:8px;position:relative;top:6px;width:16px}#ccc .ccc-content--dark
hr{background-color:#fff}#ccc .ccc-content--dark a,#ccc .ccc-content--dark
h1,#ccc .ccc-content--dark h2,#ccc .ccc-content--dark h3,#ccc .ccc-content--
dark p,#ccc .ccc-content--dark span{fill:#fff;color:#fff}#ccc .ccc-content--light
hr{background-color:#333}#ccc .ccc-content--light a,#ccc .ccc-content--light
h1,#ccc .ccc-content--light h2,#ccc .ccc-content--light h3,#ccc .ccc-content--
light p,#ccc .ccc-content--light span{fill:#333;color:#333}#ccc .optional-
cookie{position:relative}.checkbox-
toggle{margin:0;position:absolute;right:0;top:-3px}#ccc .checkbox-toggle-
input{bottom:0;display:block;height:100%;left:0;margin:0;opacity:0;padding:0;p
osition:absolute;right:0;top:0;width:100%;z-index:1}#ccc .checkbox-toggle--
checkbox{border:2px solid #fff;border-radius:4px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-
label{display:block;height:24px;width:24px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-off,#ccc .checkbox-toggle--checkbox .checkbox-
toggle-on{display:none}#ccc .checkbox-toggle--checkbox .checkbox-toggle-
toggle{border-
radius:4px;display:block;height:100%;position:relative;width:100%}#ccc .checkb
ox-toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border:solid
#fff;border-width:0 3px 3px
0;content:"";height:10px;left:9px;position:absolute;top:5px;transform:rotate(45d
eg);width:5px}#ccc .checkbox-toggle--slider{border:4px solid #fff;border-
radius:50px}#ccc .checkbox-toggle--slider .checkbox-toggle-
label{cursor:pointer;display:flex;margin:0;z-index:1}#ccc .checkbox-toggle--
slider .checkbox-toggle-off,#ccc .checkbox-toggle--slider .checkbox-toggle-
on{flex:1;flex-basis:50%;font-size:.75em;font-weight:700;min-
width:40px;padding:0 6px;text-align:center;white-space:nowrap;width:50%;z-
index:2}#ccc .checkbox-toggle--slider .checkbox-toggle-
off{opacity:.65}#ccc .checkbox-toggle--slider .checkbox-toggle-
toggle{background-color:#000;border-
radius:50px;cursor:pointer;display:block;height:100%;left:0;position:absolute;top

```



```

:0;transition:all .4s ease;width:50%;z-index:3}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{left:50%}#ccc .checkbox-toggle--
slider.checkbox-toggle--dark{background-color:#111125;border-
color:#111125}#ccc .checkbox-toggle--checkbox.checkbox-toggle--
dark{background-color:#111125;border-color:#fff}#ccc .checkbox-toggle--
dark.checkbox-toggle-toggle{background-color:#2f2f5f}#ccc .checkbox-toggle--
light{background-color:#555;border-color:#555}#ccc .checkbox-toggle--
light.checkbox-toggle-toggle{background-color:#000}#ccc .checkbox-toggle--
light.checkbox-toggle-on,#ccc .checkbox-toggle--slider.checkbox-toggle--
light.checkbox-toggle-off{color:#fff}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{background-color:#fff}#ccc .ccc-
alert{border-radius:8px;margin:24px 0;padding:16px}#ccc .ccc-alert-title{align-
items:center;display:flex;padding:0}#ccc .ccc-alert-icon{display:inline-
block;flex-shrink:0;height:30px;margin:0 8px 0 0;width:30px}#ccc .ccc-alert-
break{margin:12px 0}.third-party-cookie-link{align-
items:center;display:flex;margin:16px 0}.third-party-cookie-name{font-
size:1em;font-weight:700}.third-party-cookie-icon{display:inline-
block;height:16px;margin-left:16px;width:16px}#ccc .ccc-content--dark .ccc-
alert{fill:#fff;background:#111125;color:#fff}#ccc .ccc-content--dark .third-
party-cookie-link{background:#111125;color:#fff}#ccc .ccc-content--light .ccc-
alert,#ccc .ccc-content--light .third-party-cookie-link{background:#eaeaea}#ccc
.ccc-module--popup{-webkit-animation-duration:.4s;animation-duration:.4s;-
webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-
animation-name:slide-up;animation-name:slide-
up;bottom:0;left:0;opacity:1;right:0;top:0}#ccc .ccc-module--popup #ccc-
content{border-radius:12px;height:90%;left:50%;max-height:600px;max-
width:600px;top:50%;transform:translate(-50%,-50%);width:90%}#ccc .ccc-
notify-box-dismiss{display:none!important}@media (min-width:600px){#ccc
#ccc-notify.ccc-notify__box{-webkit-animation-duration:.8s;animation-
duration:.8s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:box-slide-up;animation-name:box-slide-up;border-
radius:12px;box-sizing:border-box;flex-direction:column;height:90%;justify-
content:space-around;left:50%;max-height:240px;max-
width:480px;opacity:1;padding:32px 64px;top:50%;transform:translate(-50%,-
50%);width:90%}#ccc .ccc-notify-box-dismiss{display:block!
important;position:absolute!important;right:16px!important;top:16px!
important}}#ccc #ccc-notify{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-up;animation-name:slide-up;border-
radius:0;bottom:0;display:flex;flex-direction:column;height:auto;justify-
content:space-between;left:0;margin:0;min-
height:48px;opacity:1;overflow:hidden;padding:16px;position:fixed;right:0;z-
index:30}.ccc-notify-text h1{font-size:1em;font-weight:700;line-
height:1.5em;margin:0;padding-right:120px;text-align:left}#ccc #ccc-notify.ccc-
notify__top{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-
animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-
name:slide-down;animation-name:slide-down;bottom:auto;top:0}#ccc #ccc-
notify h3{padding:0}#ccc #ccc-notify p{font-
size:.9em;margin:0;opacity:.8}#ccc .ccc-notify-buttons{margin-
top:16px;padding-right:24px;position:relative}#ccc .ccc-notify-
button{background:transparent;border:2px solid;border-
radius:4px;cursor:pointer;font-size:1em;font-weight:400;line-
height:1.5em;margin:4px 8px 16px 0;padding:8px 16px!important}#ccc #ccc-
notify-dismiss{background-

```

color:transparent;border:0;cursor:pointer;display:inline-flex;height:24px;padding:0!important;position:absolute;right:0;top:-4px;width:24px}@media (min-width:400px){#ccc #ccc-notify-dismiss{position:relative;right:auto}#ccc .ccc-notify-buttons{padding-right:0}}@media (min-width:1020px){#ccc #ccc-notify{align-items:center;flex-direction:row}#ccc .ccc-notify-text{margin-right:16px}#ccc .ccc-notify-buttons{flex-shrink:0;white-space:nowrap}}@media (min-width:1200px){#ccc #ccc-notify{font-size:16px;padding:16px 100px;z-index:10}}#ccc .ccc-content--dark #ccc-notify,#ccc .ccc-content--dark #ccc-notify span{fill:#fff;background-color:#313147;color:#fff}#ccc .ccc-content--dark .ccc-notify-button,#ccc .ccc-content--dark .ccc-notify-button span{border-color:#fff;color:#fff}#ccc .ccc-content--dark .ccc-button-solid,#ccc .ccc-content--dark .ccc-button-solid span{background:#fff;color:#111125;font-weight:700}.ccc-notify-link{border:0!important;text-decoration:underline}#ccc .ccc-content--light #ccc-notify,#ccc .ccc-content--light #ccc-notify span{fill:#000;background:#f4f4f4;color:#000}#ccc .ccc-content--light .ccc-notify-button,#ccc .ccc-content--light .ccc-notify-button span{border-color:#000;color:#000}#ccc .ccc-content--light .ccc-button-solid,#ccc .ccc-content--light .ccc-button-solid span{background:#000;color:#fff;font-weight:700}.ccc-info-link{font-size:.8em;font-weight:700;text-decoration:none}.ccc-info-link .svg-element{height:14px;margin-left:6px;width:14px}#ccc .ccc-module--slideout .ccc-info{height:100px}#ccc[popup] .ccc-info{height:40px}@media print{#ccc{display:none!important}}#ccc-close-label{display:block;font-size:16px}#ccc .ccc-panel--indent #ccc-title{padding-right:180px}#ccc-close.ccc-close--labelled{padding:8px!important;right:0;top:0}#ccc-content.ccc-content--light #ccc-close.ccc-close--labelled{background-color:#eaeaea}#ccc-content.ccc-content--dark #ccc-close.ccc-close--labelled{background-color:#111125}#ccc-end{margin:16px 0 32px}#ccc-dismiss-button{display:block}#ccc .ccc-content--highlight .ccc-link.ccc-tabbable:focus{filter:invert(100%);padding:8px}#ccc .ccc-content--highlight.ccc-content--light .ccc-link.ccc-tabbable:focus{background-color:#eaeaea!important;border-color:#eaeaea!important}#ccc .ccc-content--highlight.ccc-content--dark .ccc-link.ccc-tabbable:focus{background-color:#111125!important;border-color:#111125!important}#ccc .ccc-content--highlight #ccc-close:focus,#ccc .ccc-content--highlight .ccc-button-solid:focus,#ccc .ccc-content--highlight .checkbox-toggle-input:focus~.checkbox-toggle,#ccc .ccc-content--highlight .third-party-cookie-link:focus{filter:invert(100%)}#ccc .ccc-content--highlight.ccc-content--light .ccc-tabbable:focus{box-shadow:0 4px 8px 0 hsla(0,0%,100%,.2),0 6px 20px 0 hsla(0,0%,100%,.2)}#ccc .ccc-content--highlight.ccc-content--dark .ccc-tabbable:focus{box-shadow:0 4px 8px 0 rgba(0,0,0,.2),0 6px 20px 0 rgba(0,0,0,.2)}#ccc .checkbox-toggle:focus-within{outline:auto}#ccc #ccc-icon.ccc-icon--no-outline,#ccc .ccc-content--no-outline *,#ccc .ccc-content--no-outline .ccc-tabbable{outline:none}#ccc .ccc-content--highlight .ccc-tabbable:active,#ccc .ccc-content--highlight .ccc-tabbable:hover,#ccc .ccc-icon--highlight:active,#ccc .ccc-icon--highlight:hover{box-shadow:none!important;filter:none!important}.ccc-panel{left:24px;position:absolute;right:24px;top:24px}.ccc-panel.hidden{height:0;opacity:0;overflow:hidden}.ccc-panel.visible{height:auto;opacity:1;transition:opacity .4s}#ccc .iab-vendor,#ccc .optional-vendor{margin:0 0 8px}#ccc .optional-vendor{font-size:.875em}#ccc .optional-vendor-heading{font-weight:700;padding-left:24px;text-decoration:underline}#ccc .ccc-vendor-reveal{align-

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items:center;background:transparent;border:1px dotted;display:flex;font-
size:.875em;opacity:.5;transition:opacity .4s}#ccc .ccc-vendor-reveal:focus,#ccc
.ccc-vendor-reveal:hover{opacity:1}#ccc .ccc-legal-description{margin-
top:1rem}#ccc .ccc-vendor-reveal svg{height:16px;margin-
left:8px;width:16px}#ccc .optional-vendor-warning{align-
items:center;display:flex}#ccc .optional-vendor-warning
svg{height:16px;margin-right:8px;width:16px}#ccc .optional-vendor-
content{padding-left:24px}#ccc .iab-vendor-heading{font-size:.875em;font-
weight:400;text-decoration:underline}#ccc .cmp-button-holder{display:flex;font-
size:.75em;justify-content:space-between}#ccc .cmp-
back{opacity:.5;transition:opacity .4s}#ccc .cmp-back:hover{opacity:1}.ccc-sr-
only{clip:rect(0,0,0,0);border:0;height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}@-webkit-keyframes
fade-in{0%{opacity:0}to{opacity:1}}@keyframes fade-in{0%
{opacity:0}to{opacity:1}}@-webkit-keyframes slide-right{0%
{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-right{0%{transform:translate3d(-
100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-left{0%
{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@-
webkit-keyframes slide-up{0%
{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@keyframes
slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@-
webkit-keyframes box-slide-up{0%{transform:translate3d(-
50%,100%,0)}to{transform:translate3d(-50%,-50%,0)}}@keyframes box-slide-
up{0%{transform:translate3d(-50%,100%,0)}to{transform:translate3d(-50%,-
50%,0)}}@-webkit-keyframes slide-down{0%{transform:translate3d(0,-
100%,0)}to{transform:translateZ(0)}}@keyframes slide-down{0%
{transform:translate3d(0,-100%,0)}to{transform:translateZ(0)}}#ccc .iab-
object{height:48px;position:relative;width:98%}#ccc .iab-object.iab-object--
vendor{width:85%}#ccc .iab-object .checkbox-
toggle{left:0;right:auto;top:4px}#ccc .iab-object .checkbox-toggle-
label{height:18px;width:18px}#ccc .iab-object .checkbox-toggle--checkbox
input:checked~.checkbox-toggle-toggle:after{border-width:0 2px 2px
0;height:8px;left:7px;top:3px;width:3px}#ccc .iab-object-
label{display:block;font-size:.75em;margin-left:32px}#ccc .vendor-details{font-
size:.75em;margin-bottom:16px}#ccc .vendor-details h4{margin:.5rem
0}#ccc .ccc-title.ccc-title--iab{margin-bottom:1rem}#ccc .iab-header-
toggle{align-items:center;display:flex;margin-bottom:1rem}#ccc .iab-header-
toggle .ccc-title{margin:0 0 0 16px}#ccc .iab-header-toggle .ccc-vendor-reveal
svg{margin:0}#ccc .iab-vendor-toggle .checkbox-toggle{top:auto}#ccc .iab-
vendor-toggle h3{padding-right:180px}#ccc .iab-disclosure-load{align-
items:center;display:flex}#ccc .iab-disclosure-load button{margin-
right:12px}#ccc .iab-disclosure-load a{text-decoration:none}#ccc .iab-
disclosure-load a>span{position:relative;top:-2px}#ccc .iab-disclosure-load
a>.ccc-svg-element{top:4px}#ccc .iab-disclosure-table{border-
collapse:collapse;margin:2em 0;width:100%}#ccc .iab-disclosure-table
td,#ccc .iab-disclosure-table th{border:1px solid}#ccc .iab-disclosure-table
thead td{border:none}#ccc .ccc-content--dark td,#ccc .ccc-content--dark
th{border-color:#fff}#ccc .iab-disclosure-table dl{display:grid;grid-
template:auto/1fr 1fr;width:150px}#ccc .iab-disclosure-table ul{list-
style:none}#ccc .iab-disclosure-table dl,#ccc .iab-disclosure-table
ul{margin:0;padding:0}#ccc .iab-disclosure-table dd,#ccc .iab-disclosure-table
dt,#ccc .iab-disclosure-table li{border-bottom:1px solid

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rgba(0,0,0,.1);margin:0;padding:.3em .5em}#ccc .ccc-content--dark .iab-disclosure-table dd,#ccc .ccc-content--dark .iab-disclosure-table dt,#ccc .ccc-content--dark .iab-disclosure-table li{border-bottom:1px solid hsla(0,0%,100%,.1)}#ccc .ccc-content--dark .iab-disclosure-table li:last-child{border:none}#ccc .iab-disclosure-table td,#ccc .iab-disclosure-table th{padding:1em;vertical-align:top}#ccc .iab-disclosure-table tr:nth-child(2n){background:rgba(0,0,0,.1)}#ccc .ccc-content--highlight .ccc-tabbable:hover{outline:auto}</style><style>#ccc, #ccc button {font-family: fsemeric, arial, san-serif !important;}#ccc #ccc-content, #ccc #ccc-notify { background-color: #262626 !important;}#ccc h2, #ccc h3 { font-size: 1.1em !important;}#ccc, #ccc p, #ccc .third-party-cookie-link { font-size: 14px !important;}#ccc #ccc-title { font-size: 1.4em !important;}#ccc .checkbox-toggle-on, #ccc .checkbox-toggle-off { color: #262626 !important;}#ccc .checkbox-toggle-toggle { background-color: #262626 !important;}#ccc .checkbox-toggle { background-color: #f5f5f5 !important; border-color: #f5f5f5 !important;}#ccc .ccc-notify-button.ccc-accept-button, #ccc .ccc-notify-button.ccc-accept-button span, #ccc .ccc-notify-button.ccc-close-button, #ccc .ccc-notify-button.ccc-close-button span { color: #262626 !important;}#ccc .ccc-notify-button.ccc-accept-button, #ccc .ccc-notify-button.ccc-accept-button span, #ccc .ccc-notify-button.ccc-close-button, #ccc .ccc-notify-button.ccc-close-button span { background-color: #b9db0c !important; border-color: #b9db0c !important;}</style><meta http-equiv="origin-trial" content="A9wkrvp9y21k30U9IU7MJMjBj4USjLrGwV+Z8zO3J3ZBH139DOnCv3XLK2li40S94HG1SZ/Zeg2GSHOD3wlWngYAAAB7eyJvcmlnaW4iOiJodHRwczovL3d3dy5nb29nbGV0YWd tYW5hZ2VyLmNvbTo0NDMiLCJmZWFOdXJlIjoiaUJpd mFjeVNHbmRib3hBZHNBUeIzli wiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1Ro aXJkUGFydHkiOnRydWV9"><script type="text/javascript" async="" src="https://googleads.g.doubleclick.net/pagead/viewthroughconversion/823950598/?random=1659422855456&cv=9&fst=1659422855456&num=1&bg=ffffff&guid=ON&resp=GooglemKTybQhCsO&u_h=844&u_w=390&u_ah=844&u_aw=390&u_cd=32&u_his=5&u_tz=60&u_java=false&u_nplug=0&u_nmime=0>m=2wg7r0&sendb=1&ig=1&frm=0&url=https%3A%2F%2Fwww.metoffice.gov.uk%2Fservices%2Ftransport%2Faviation%2Fcommercial&ref=https%3A%2F%2Fwww.metoffice.gov.uk%2F&tiba=Aviation%20commercial%20services%20-%20Met%20Office&gpr_consent=CPdF8uyPdF8uyEDAJBENCaCsAP_AAH_AAAwII7Nf_X_b3_j-5__t0eY1f9_7_-0zjhfdt-8N3f_X_L8X_2M7vF36pq4KuR4ku3bBIQdIHOncTUm x6olVrzPsbk2cr7NKJ7Pkmnsbe2dYGH9_n9_z_ZKZ7____7_-____v_3____997f3____9____8Edmv_r_t7_z_f9_ _26PMav-_9__aZxwvu2_eG7v_r_l- L_7Gd3i79W18FXI8SXbtgkIO2jnTujqTY9USq15n2NybOV9mIE_nyTT2NvbOsDD-_z- _5_slM9____9____3_____-____AA&gpr=1&hn=www.googleadservices.com&async=1&rfmt=3&fmt=4"></script><script src="https://s2.getsitecontrol.com/widgets/es6/runtime.bc4da13.js"></script></head><body class="user-tabbing tcf-p1 tcf-p2 tcf-p3 tcf-p4"><div id="ccc" role="region" aria-label="Cookie preferences" aria-live="polite" style="z-index: 2147483647;"></div>

```
<script src="/webfiles/1658483350597/js/common/set-body-class.js"></script>
<script src="/webfiles/1658483350597/js/common/run-ab-test.js"></script>
<header id="header">
<div id="skiplink-container" tabindex="0">
<a href="#content" id="skiplink" class="skiplink">Skip to main content</a>
</div>
<div class="upper">
<div class="upper-container container row middle-xs">
<div class="logo col-xs-6 col-sm-8 col-lg-2">
<a href="/"></a>
</div>
<div class="col-xs-6 col-sm-4 hide-lg no-js-hide menu-button">
<button class="mobile-settings" data-settings-control="true"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span>
</button>
<button id="menu-button" aria-haspopup="true" aria-controls="lower-
container">Menu</button>
</div>
<nav aria-label="first level" class="top-menu has-edit-button col-lg-10 show-lg
hide-sm hide-xs">
<ul id="top-level-menu">
<li><a href="/weather" data-topmenu-id="0" aria-controls="menu0">Weather
&amp; climate</a></li>
<li><a href="/research" data-topmenu-id="1" aria-controls="menu1">Research
programmes</a></li>
<li><a href="/services" data-topmenu-id="2" aria-controls="menu2" aria-
expanded="true">Services</a></li>
<li><a href="/about-us" data-topmenu-id="3" aria-controls="menu3">About
us</a></li>
</ul>
</nav>
</div>
</div>
<div class="lower">
<div id="lower-container" class="lower-container container row middle-lg" data-
nav="false" data-second-nav="false" data-search="false">
<div class="logo-container">
<div class="logo col-xs-8 col-lg-2">
<a id="menu-open-logo" href="/"><span class="mo-logo">Met
Office</span></a>
</div>
<div class="menu-button col-xs-4 hide-lg no-js-hide">
<button id="close-menu-button" type="button" value="Close" aria-
controls="lower-container" aria-label="Close menu" title="Close menu">
<span class="icon" data-type="global" data-value="close" aria-
hidden="true"></span>
</button>
</div>
</div>
</div>
```

```

<form id="site-search-form" class="search-form col-xs-12" role="search"
action="/search" method="get">
<label for="site-search-input" class="off-screen no-js-hide">Search site</label>
<input id="site-search-input" type="search" class="col-sm-11"
placeholder="Search" name="query" autocomplete="off" required="">
<button type="submit" tabindex="-1" value="Search" title="Search" class="col-
sm-1 col-lg-offset-0">
<span class="icon" data-type="global" data-value="search">Search</span>
</button>
<button id="close-search-button" type="button" title="Close" value="Close"
class="no-js-hide">
<span class="icon" data-type="global" data-value="close">x</span>
</button>
</form> <div class="third-level-back col-xs-12 col-lg-12 col-lg-offset-0">
<span id="third-level-back" class="row middle-xs" role="button" tabindex="0"
aria-label="Back to second level menu">

<span>Back</span>
</span>
</div>
<nav aria-label="second level" id="secondary-nav" class="main-menu col-xs-12
col-sm-12 col-lg-11 col-lg-offset-0 no-js-show">
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="0" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-0" href="/weather">
<div>
<span class="menu-link-text">Weather & climate</span>
<div id="menu-desc-0" class="menu-desc hide-lg">
<span>Everything you need to know about the forecast, and making the most of
the weather.</span>
</div>
</div>

</a>
</div>
<ul id="menu0" data-submenu-id="0" data-toggle="false">
<li>
<a href="/" data-index="0">
Find a forecast

</a>
</li>
<li data-children="true">
<a href="/weather/warnings-and-advice" aria-haspopup="true" aria-
controls="menu0Sub1" data-index="1">
Warnings & advice

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```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Warnings & advice</div>
<ul id="menu0Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/warnings-and-advice/uk-warnings" data-index="0">
UK weather warnings

</a>
</li>
<li>
<a href="/weather/warnings-and-advice/uk-storm-centre/index" data-
index="1">
UK Storm Centre

</a>
</li>
<li>
<a class="last" href="/weather/warnings-and-advice/seasonal-advice" data-
index="2">
Seasonal advice

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" aria-
haspopup="true" aria-controls="menu0Sub2" data-index="2">
Maps & charts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Maps & charts</div>
<ul id="menu0Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
```

```
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" data-
index="0">
UK weather map

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/weather/maps-and-charts/rainfall-radar-
forecast-map" data-index="1">
New map beta

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/public/weather/observation/rainfall-
radar" data-index="2">
UK rainfall radar

</a>
</li>
<li>
<a href="/weather/forecast/uk" data-index="3">
UK forecast

</a>
</li>
<li>
<a href="/weather/maps-and-charts/surface-pressure" data-index="4">
Surface pressure charts

</a>
</li>
<li>
<a class="last" href="/weather/world/list" data-index="5">
All countries

</a>
</li>
</ul>
</div>
</nav>
</li>
```



```
<li data-children="true">
<a href="/weather/climate" aria-haspopup="true" aria-controls="menu0Sub3"
data-index="3">
Climate

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate</div>
<ul id="menu0Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/climate/climate-explained/index" data-index="0">
Climate explained

</a>
</li>
<li>
<a href="/weather/climate-change/what-is-climate-change" data-index="1">
What is climate change?

</a>
</li>
<li>
<a href="/weather/climate-change/causes-of-climate-change" data-index="2">
Causes of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/effects-of-climate-change" data-index="3">
Effects of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/climate-change-questions" data-index="4">
Climate change questions

</a>
</li>
</li>
```

```
<a href="/weather/climate/uk-climate" data-index="5">
UK climate

</a>
</li>
<li>
<a href="/weather/climate/science" data-index="6">
Climate science

</a>
</li>
<li>
<a class="last" href="/weather/climate-change/organisations-and-reports" data-
index="7">
Organisations and reports

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/specialist-forecasts" aria-haspopup="true" aria-
controls="menu0Sub4" data-index="4">
Specialist forecasts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Specialist forecasts</div>
<ul id="menu0Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/specialist-forecasts/coast-and-sea" data-index="0">
Coast and Sea

</a>
</li>
<li>
<a href="/weather/specialist-forecasts/mountain" data-index="1">
Mountain
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</a>
</li>
<li>
<a class="last" href="/weather/specialist-forecasts/space-weather" data-
index="2">
Space Weather

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/learn-about" aria-haspopup="true" aria-
controls="menu0Sub5" data-index="5">
Learn about...

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Learn about...</div>
<ul id="menu0Sub5" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/learn-about/past-uk-weather-events" data-index="0">
Past UK weather events

</a>
</li>
<li>
<a href="/weather/learn-about/weather" data-index="1">
Weather

</a>
</li>
<li>
<a href="/weather/learn-about/how-forecasts-are-made" data-index="2">
How forecasts are made

</a>
```

```
</li>
<li>
<a class="last" href="/weather/learn-about/met-office-for-schools" data-
index="3">
Met Office for Schools

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="1" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-1" href="/research">
<div>
<span class="menu-link-text">Research programmes</span>
<div id="menu-desc-1" class="menu-desc hide-lg">
<span>The latest breakthroughs, research and news from the Met
Office.</span>
</div>
</div>

</a>
</div>
<ul id="menu1" data-submenu-id="1" data-toggle="false">
<li data-children="true">
<a href="/research/approach/index" aria-haspopup="true" aria-
controls="menu1Sub0" data-index="0">
Our approach

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Our approach</div>
<ul id="menu1Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/approach/overview" data-index="0">
Overview by our Chief Scientist

</a>
</li>
```

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<li>
<a href="/research/approach/how-met-office-science-is-reviewed" data-
index="1">
How Met Office science is reviewed

</a>
</li>
<li>
<a href="/research/approach/collaboration" data-index="2">
Collaboration

</a>
</li>
<li>
<a href="/research/approach/modelling-systems" data-index="3">
Modelling systems

</a>
</li>
<li>
<a href="/research/approach/monitoring" data-index="4">
Monitoring

</a>
</li>
<li>
<a class="last" href="/research/approach/our-scientists/people" data-
index="5">
Our scientists

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/weather" aria-haspopup="true" aria-controls="menu1Sub1"
data-index="1">
Weather science

</a>
```

```
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Weather science</div>
<ul id="menu1Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/weather/atmospheric-dispersion" data-index="0">
Atmospheric dispersion and air quality

</a>
</li>
<li>
<a href="/research/weather/data-assimilation" data-index="1">
Data assimilation

</a>
</li>
<li>
<a href="/research/weather/ensemble-forecasting" data-index="2">
Ensemble forecasting

</a>
</li>
<li>
<a href="/research/weather/observations-research" data-index="3">
Observations research and development

</a>
</li>
<li>
<a href="/research/weather/ocean-forecasting" data-index="4">
Ocean forecasting

</a>
</li>
<li>
<a href="/research/weather/research-to-operations" data-index="5">
Research to operations

</a>
</li>
</li>
```

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<a href="/research/weather/satellite-applications" data-index="6">
Satellite applications

</a>
</li>
<li>
<a href="/research/weather/verification-impacts-and-post-processing" data-
index="7">
Verification, impacts and post-processing

</a>
</li>
<li>
<a class="last" href="/research/weather/weather-science-it" data-index="8">
Weather science IT

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/climate" aria-haspopup="true" aria-controls="menu1Sub2"
data-index="2">
Climate science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate science</div>
<ul id="menu1Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/climate/cryosphere-oceans" data-index="0">
Climate, cryosphere and oceans

</a>
</li>
<li>
<a href="/research/climate/climate-impacts" data-index="1">
Climate impacts
```

```

</a>
</li>
<li>
<a href="/research/climate/climate-monitoring/index" data-index="2">
Climate monitoring and attribution

</a>
</li>
<li>
<a href="/research/climate/earth-system-science" data-index="3">
Earth system science

</a>
</li>
<li>
<a href="/research/climate/seasonal-to-decadal" data-index="4">
Monthly to decadal prediction

</a>
</li>
<li>
<a href="/research/climate/maps-and-data" data-index="5">
UK climate maps and data

</a>
</li>
<li>
<a class="last" href="/research/climate/understanding-climate" data-
index="6">
Understanding climate change

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/applied" aria-haspopup="true" aria-controls="menu1Sub3"
data-index="3">
Applied science
```



```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Applied science</div>
<ul id="menu1Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/applied/aviation" data-index="0">
Aviation applications

</a>
</li>
<li>
<a href="/research/applied/international" data-index="1">
Climate information for international development

</a>
</li>
<li>
<a href="/research/applied/climate-security" data-index="2">
Climate security

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="3">
Climate services

</a>
</li>
<li>
<a href="/research/applied/defence" data-index="4">
Defence applications

</a>
</li>
<li>
<a href="/research/applied/post-processing" data-index="5">
Post-processing applications
```

```

</a>
</li>
<li>
<a href="/research/applied/science-for-impacts-resilience-and-adaptation" data-
index="6">
Science for Impacts, Resilience and Adaptation (SIRA)

</a>
</li>
<li>
<a class="last" href="/research/applied/science-health-strategy" data-
index="7">
Science health strategy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/foundation" aria-haspopup="true" aria-
controls="menu1Sub4" data-index="4">
Foundation science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Foundation science</div>
<ul id="menu1Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/foundation/parametrizations" data-index="0">
Atmospheric processes and parametrizations

</a>
</li>
<li>
<a href="/research/foundation/dynamics" data-index="1">
Dynamic research

```

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</a>
</li>
<li>
<a href="/research/foundation/global-modelling" data-index="2">
Global modelling

</a>
</li>
<li>
<a href="/research/foundation/informatics-lab/index" data-index="3">
Informatics Lab

</a>
</li>
<li>
<a href="/research/foundation/observational-studies" data-index="4">
Observation-based research

</a>
</li>
<li>
<a class="last" href="/research/foundation/regional-model-evaluation-and-
development/index" data-index="5">
Regional model evaluation and development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/research/library-and-archive" data-index="5">
Library

</a>
</li>
<li>
<a href="/research/news" data-index="6">
News

</a>
```

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</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="2" data-toggle="true"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-2" href="/services" class="selected">
<div>
<span class="menu-link-text">Services</span>
<div id="menu-desc-2" class="menu-desc hide-lg">
<span>Support your business with world-leading science and
technology.</span>
</div>
</div>

</a>
</div>
<ul id="menu2" data-submenu-id="2" data-toggle="true">
<li data-children="true">
<a href="/services/government" aria-haspopup="true" aria-
controls="menu2Sub0" data-index="0">
Government

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Government</div>
<ul id="menu2Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/government/defence-and-security" data-index="0">
Defence and security

</a>
</li>
<li>
<a href="/services/government/devolved-administrations" data-index="1">
Devolved administrations

</a>
</li>
<li>
<a href="/services/government/environmental-hazard-resilience" data-
index="2">
Environmental Hazard and Resilience Services
```

```

</a>
</li>
<li>
<a class="last" href="/services/government/international-development" data-
index="3">
International development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true" class="selected">
<a href="/services/transport" aria-haspopup="true" aria-controls="menu2Sub1"
data-index="1">
Transport

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Transport</div>
<ul id="menu2Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li class="selected">
<a href="/services/transport/aviation/commercial" data-index="0">
Aviation commercial

</a>
</li>
<li>
<a href="/services/transport/aviation/regulated" data-index="1">
Aviation regulated

</a>
</li>
<li>
<a href="/services/transport/cav" data-index="2">
CAV

</a>
```

```
</li>
<li>
<a href="/services/transport/marine" data-index="3">
Marine

</a>
</li>
<li>
<a href="/services/transport/rail" data-index="4">
Rail

</a>
</li>
<li>
<a class="last" href="/services/transport/road" data-index="5">
Road

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/business-industry" aria-haspopup="true" aria-
controls="menu2Sub2" data-index="2">
Business & industry

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Business & industry</div>
<ul id="menu2Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/business-industry/agriculture" data-index="0">
Agriculture

</a>
</li>
<li>
<a href="/services/business-industry/construction" data-index="1">
Construction
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</a>
</li>
<li>
<a href="/services/business-industry/energy" data-index="2">
Energy

</a>
</li>
<li>
<a href="/services/business-industry/event-management" data-index="3">
Event management

</a>
</li>
<li>
<a href="/services/business-industry/legal-insurance" data-index="4">
Legal and insurance

</a>
</li>
<li>
<a href="/services/business-industry/media" data-index="5">
Media

</a>
</li>
<li>
<a href="/services/business-industry/mining" data-index="6">
Mining

</a>
</li>
<li>
<a href="/services/business-industry/retail" data-index="7">
Retail

</a>
</li>
<li>
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<a class="last" href="/services/business-industry/water" data-index="8">
Water

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/data" aria-haspopup="true" aria-controls="menu2Sub3"
data-index="3">
Data

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Data</div>
<ul id="menu2Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a class="last" href="/services/data" data-index="0">
Weather and climate data

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/research-consulting" aria-haspopup="true" aria-
controls="menu2Sub4" data-index="4">
Research & consulting

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Research & consulting</div>
<ul id="menu2Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/research-consulting/access-a-meteorologist" data-
index="0">
Access a meteorologist
```



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</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="1">
Climate service

</a>
</li>
<li>
<a href="/services/research-consulting/international-programmes" data-
index="2">
International programmes

</a>
</li>
<li>
<a class="last" href="/services/research-consulting/weather-climate-
consultancy" data-index="3">
Weather and climate consultancy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/services/insights" data-index="5">
Insights

</a>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="3" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-3" href="/about-us">
<div>
<span class="menu-link-text">About us</span>
<div id="menu-desc-3" class="menu-desc hide-lg">
<span>Who we are, what we do and organisational news.</span>
</div>
```

```
</div>

</a>
</div>
<ul id="menu3" data-submenu-id="3" data-toggle="false">
<li>
<a href="/about-us/who" data-index="0">
Who we are

</a>
</li>
<li data-children="true">
<a href="/about-us/supplying-the-met-office" aria-haspopup="true" aria-
controls="menu3Sub1" data-index="1">
Supplying the Met Office

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Supplying the Met Office</div>
<ul id="menu3Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/supplying-the-met-office/advertising/sponsorship-
opportunities" data-index="0">
Advertising

</a>
</li>
<li>
<a class="last" href="/about-us/supplying-the-met-office/procurement" data-
index="1">
Procurement

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/press-office" aria-haspopup="true" aria-
controls="menu3Sub2" data-index="2">
Press Office
```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Press Office</div>
<ul id="menu3Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/press-office/news/weather-and-climate" data-index="0">
Weather and climate news

</a>
</li>
<li>
<a href="/about-us/press-office/news/corporate" data-index="1">
Corporate news

</a>
</li>
<li>
<a href="https://blog.metoffice.gov.uk/" data-index="2">
News blog

</a>
</li>
<li>
<a href="/about-us/press-office/media-resources/podcasts" data-index="3">
Podcasts

</a>
</li>
<li>
<a class="last" href="/about-us/press-office/contact-press-office" data-
index="4">
Contact the Press Office

</a>
</li>
</ul>
</div>
</nav>
</li>
```

```
<li data-children="true">
<a href="/about-us/careers" aria-haspopup="true" aria-controls="menu3Sub3"
data-index="3">
Careers

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Careers</div>
<ul id="menu3Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/careers/working-here" data-index="0">
Working at the Met Office

</a>
</li>
<li>
<a href="/about-us/careers/your-career" data-index="1">
Your career

</a>
</li>
<li>
<a href="/about-us/careers/vacancies" data-index="2">
Vacancies

</a>
</li>
<li>
<a href="/about-us/careers/rewards-and-benefits" data-index="3">
Rewards and benefits

</a>
</li>
<li>
<a href="/about-us/careers/equality-diversity-and-inclusion" data-index="4">
Equality, diversity and inclusion

</a>
</li>
</li>
```

```
<a class="last" href="/about-us/careers/apprentices-graduates-and-placements"
data-index="5">
Apprentices, graduates and placements

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/contact" aria-haspopup="true" aria-controls="menu3Sub4"
data-index="4">
Contact us

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Contact us</div>
<ul id="menu3Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/contact" data-index="0">
Contact details

</a>
</li>
<li>
<a href="/forms/website-feedback" data-index="1">
Feedback form

</a>
</li>
<li>
<a class="last" href="/about-us/contact/in-exeter" data-index="2">
How to find us

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
```

```
</div>
</nav>
<hr class="main-menu-divider col-xs-12 hide-lg">
<div id="nav-control" class="nav-control col-xs-12 col-lg-1 col-lg-offset-0">
<div id="nav-control-buttons" class="nav-control-buttons">
<div>
<button id="settings-button" data-settings-control="true" class="hide-xs show-
lg no-js-hide"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span><span
class="icon-label">Settings</span>
</button>
</div>
<div role="search">
<a role="button" id="search-button" href="/search">
<span class="icon" role="img" data-type="global" data-value="search"
title="Expand search"></span>
</a>
</div>
</div>
</div>
<div id="affiliate-links" class="affiliate-links hide-lg"></div>
</div>
</div>
<div class="print-header" aria-hidden="true">

</div>
</header>
<main id="content">
<div class="hero">

</div>
<div class="wrap-3-col">
<div class="wrap-3-left">
</div>
```

```

<div class="wrap-3-mid">
<div class="content-container">
<article class="has-edit-button content">
<div class="article-content">
<h1 class="article-heading">
Aviation commercial services
</h1>
<div class="share-line"><hr></div>
<div class="row content-top">
<div class="col">
<p class="learn-article-tagline" data-swiftype-name="tagline" data-swiftype-
type="text">Site-specific forecasts, on-site meteorologists, consultancy and
training to help airlines, airports and air traffic control improve business
efficiency.</p>
<div data-swiftype-name="body" data-swiftype-type="text">
<div class="article-body"><p>Weather is one of the greatest hazards and
disrupting factors to aviation. Making accurate and timely decisions is crucial to
keep to schedules, maintain safety, achieve operational efficiency and save
costs.</p>
<p>We advise all sectors of aviation - airlines, airports, air traffic control, ground
handling, airport construction and maintenance.</p>
<h2>Aviation Data Services</h2>
<p>Aviation Data Services will provide airlines, flight planners, pilots, ATM and
airports with accurate, detailed, and consistent weather data for integration into
decision-making and visualisation systems.</p>
<p>Our latest product 4D Trajectory (4DT) will improve efficiency, safety and
environmental sustainability of aviation operations.</p>
<p>To read more about our Aviation Data Services, including 4DT - visit the <a
rel="noopener noreferrer"
href="/services/transport/aviation/commercial/aviation-data-services/aviation-
data-services" target="_blank">Aviation Data Services webpage</a>.</p>
<h2>OpenRunway® - award-winning weather-briefing platform for airports and
airlines worldwide</h2>
<p>OpenRunway® is an online, site-specific weather forecasting platform to
help minimise disruption to passengers and save costs.</p>
<p>Developed with the specific needs of airlines and airports in mind, it was
awarded “Best Service Provider 2016” by the Airport Operators Association
(AOA).</p>
<p>It uses the most accurate weather data and observations to help you plan
with confidence:</p>
<ul>
<li>the treatment of runways</li>
<li>opening runways during marginal weather</li>
<li>de-icing operations and holdover times</li>
</ul>
<h3>Key features</h3>
<ul>
<li>Map visualisation of forthcoming weather with satellite and weather radar
overlays</li>
<li>Colour-coded, hour-by-hour summary for the next 24 hours detailing current
weather and forecast specific to your airport</li>
<li>Option to integrate weather data from runway sensors</li>
<li>Ability to set bespoke thresholds</li>
<li>Map visualisation of aerodrome warnings in the UK</li>

```

- Responsive design - accessible from mobile and tablet devices
- 24/7 technical support
- 24/7 meteorologist support

<h3>Optional features</h3>

- Five-day aircraft de-icing outlook and alerts to ground staff
- 0-5 day and 6-10 day forecast outlook available in PDF

<p>Check the OpenRunway® user guide.</p>
<div class="responsive-table"><table style="background-color:#50b9a4; width:100%">
<tbody>
<tr>
<td>
<h3 style="text-align:center">"The Met Office de-icing service has a direct impact on our operational efficiency. One unnecessary night of de-icing can cost in excess of €5000, so it's crucial to have access to accurate forecasts that help us to minimise costs and plan our resources effectively."</h3>
<p style="text-align:center">John Fields, Line Maintenance Manager at Aer Lingus</p>
</td>
</tr>
</tbody>
</table></div>
<h2>MetInsight® for airlines</h2>
<p>MetInsight® is a remote, bespoke weather briefing service delivered by our meteorologists. It allows airline staff to gain an understanding of any potential weather disruption to your network, reduce its impact and plan more efficiently.</p>

- Individual weather briefing tailored to your network destinations or requirement
- A tailored outlook for your network for up to four days ahead
- Specialist weather briefing pack that can be circulated to all relevant departments within your organisation
- Clarification of any areas of uncertainty

<p><iframe allowfullscreen="" src="//www.youtube.com/embed/B9TsxhgnVj4?enablejsapi=1&origin=https%3A%2F%2Fwww.metoffice.gov.uk" width="640" frameborder="0" height="360" data-gtm-yt-inspected-8995540_87="true" id="762805770" data-gtm-yt-inspected-7="true" data-gtm-yt-inspected-14="true" title="MetInsight® for Airlines"></iframe></p>
<h3>Take a look at our case studies</h3>
<p>Titan Airways</p>
<p>Thomson Airways</p>
<h2>On-site meteorologists - worldwide, tailored support for airports, airlines and air traffic control</h2>
<p>Our operational meteorologists work side by side with your teams to:</p>

- facilitate proactive decision-making
- provide hazardous weather warnings
- improve operational safety and efficiency through contingency planning
- reduce costs from operational downtime
- refine customer communication around weather events

- climatology studies solving a specific business issue caused by weather i.e. appropriate times to launch specialist aircraft
- regional pressure settings
- height monitoring assessments
- incident investigation reports
- helping you understand and prepare for the impact of climate change

ion meteorology

for airline and airport operators - Tailored modules providing international best practice in forecasts, observations and aeronautical meteorology.

Get in touch

Call us

We are available 24/7.

0370 900 0100

Email us

Fill out this short form and we'll get back to you.

Contact Us form

Follow us

Linkedin

Twitter

[Get in touch](#bg-contact-us-modal)

Get in touch

Call us

We are available 24/7.

0370 900 0100

Email us

Fill out this short form and we'll get back to you.

```
<span class="bg-contact-contact-link"><span class="icon" data-type="contact"
data-value="email-black"></span><a href="/forms/business-group-contact-
form">Contact Us form</a></span>
<h3 class="bg-heading">Follow us</h3>
<span class="bg-contact-contact-link"><span class="icon" data-type="contact"
data-value="linkedin-black"></span><a
href="https://www.linkedin.com/showcase/aviation-services-from-the-met-
office">Linkedin</a></span>
<span class="bg-contact-contact-link"><span class="icon" data-type="contact"
data-value="twitter-black"></span><a
href="https://twitter.com/metofficeb2b">Twitter</a></span>
<button class="close-button" id="bg-contact-us-modalCloseButton"><span
class="icon" data-type="global" data-value="close"></span></button></div>
</div>
</div>
</article>
<section class="learn-articles-block preview-block no-print" aria-
labelledby="child-articles-heading">
<h2 id="child-articles-heading" class="off-screen">Featured</h2>
<ul class="items heading-hidden">
<li class="preview-block-component">
<a href="/services/transport/aviation/commercial/training/regulated-observer"
class="item">
<div class="image lazy" data-class="preview-block-image-e28150d3-379d-
47e4-9b2a-aa2e8fab969b">
<noscript>
&lt;div class="image preview-block-image-e28150d3-379d-47e4-9b2a-
aa2e8fab969b"&gt;&lt;/div&gt;
</noscript>
</div>
<div class="imagetag">TRANSPORT</div>
<h3 class="title title-row-2">Regulated observer training</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
</a>
</li>
<li class="preview-block-component">
<a href="/services/transport/aviation/commercial/training/modules"
class="item">
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90f6-9049898c4c61">
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&lt;div class="image preview-block-image-e454ff33-055b-4bdb-90f6-
9049898c4c61"&gt;&lt;/div&gt;
</noscript>
</div>
<div class="imagetag">TRANSPORT</div>
<h3 class="title title-row-2">Essential weather training for aviation</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing"></span><span>Explore</span>
</div>
```

```
</a>
</li>
</ul>
</section>
</div>
<div>
<div>
</div>
</div>
</div>
<div class="wrap-3-right">
</div>
</div>
</main>
<div class="content-container" role="complementary" aria-label="feedback
banner">
<section class="feedback-banner-component">
<h2 class="feedback-banner-header">Help us improve our website</h2>
<a href="/feedback">Take our short survey</a>
</section></div>
<footer role="contentinfo" aria-label="footer">
<div class="upper">
<div class="content-container row">
<div class="col-xs-12 col-lg-2">

</div>
<div class="link-column col-xs-12 col-lg-10">
<div class="row">
<div class="left col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-1">
<li>
<a href="https://college.metoffice.gov.uk/">Met Office College</a>
</li>
<li>
<a href="https://library.metoffice.gov.uk/portal">National Meteorological Library
&amp; Archive</a>
</li>
<li>
<a href="https://wow.metoffice.gov.uk">Weather Observations Website
(WOW)</a>
</li>
</ul>
</div>
</div>
<div class="right col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-2">
<li>
<a href="/about-us/website/accessibility">Accessibility</a>
</li>
<li>
<a href="/about-us/legal/privacy">Privacy policy</a>
```

```
</li>
<li>
<a href="/about-us/legal/cookies">Cookie policy</a>
</li>
<li>
<a href="/about-us/legal">Legal</a>
</li>
<li>
<a href="/about-us/guide-to-emails">Email updates</a>
</li>
<li>
<a href="/weather/guides/rss">RSS</a>
</li>
</ul>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="lower">
<div class="content-container row">
<div class="app-badges col-sm-6 col-xs-12">
<a class="google-play" href="https://play.google.com/store/apps/details?id=uk.gov.metoffice.weather.android&referrer=utm_source%3DMet%2520Office%2520Desktop%2520site%2520apps%2520page">

</a>
<a class="app-store"
href="https://apps.apple.com/app/apple-store/id1068146838">

</a>
</div>
<div class="follow-icons col-sm-6 col-xs-12 last-sm">
<ul class="horizontal-list">
<li><a href="https://www.facebook.com/metoffice" title="Follow us on Facebook"><span class="icon" data-type="follow-light" data-value="facebook"></span></a></li>
<li><a href="https://twitter.com/metoffice" title="Follow us on Twitter"><span class="icon" data-type="follow-light" data-value="twitter"></span></a></li>
<li><a href="https://www.youtube.com/user/TheMetOffice" title="Follow us on YouTube"><span class="icon" data-type="follow-light" data-value="youtube"></span></a></li>
<li><a href="https://www.instagram.com/metoffice/" title="Follow us on Instagram"><span class="icon" data-type="follow-light" data-value="instagram"></span></a></li>
<li><a href="https://www.snapchat.com/add/metoffice" title="Follow us on Snapchat"><span class="icon" data-type="follow-light" data-value="snapchat"></span></a></li>
<li><a href="https://www.linkedin.com/company/met-office/" title="Follow us on LinkedIn"><span class="icon" data-type="follow-light" data-value="linkedin"></span></a></li>
</ul>
</div>
</div>
</div>
</div>
</div>
```

```
</ul>
</div>
</div>
<div class="content-container row">
<div class="copyright col-xs-12">
<small><a href="/about-us/legal#licences">© Crown Copyright</a></small>
</div>
</div>
</div>
<div class="print-footer">

<p>© Crown Copyright</p>
</div>
</footer>
<div id="settings-container"
data-scripts="/webfiles/1658483350597/js/minified/dialog.min.js
/webfiles/1658483350597/js/minified/edit-preferences.min.js"
data-styles="/webfiles/1658483350597/css/compiled/components/dialog.css"></
div>
<script src="/webfiles/1658483350597/js/minified/global.min.js"></script>
<script type="application/ld+json">
//<![CDATA[
{
"@context": "http://schema.org",
"@type": "Article",
"mainEntityOfPage": {
"@type": "WebPage",
"@id": "https://www.metoffice.gov.uk/services/transport/aviation/commercial"
},
"author": {
"@type": "Organization",
"name": "Met Office"
},
"publisher": {
"@type": "Organization",
"name": "Met Office",
"logo": {
"@type": "ImageObject",
"url": "https://www.metoffice.gov.uk/static/images/logo/default_card_315.jpg"
}
},
"headline": "Aviation commercial services",
"image":
"https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/hero-
images/advice/industry/de-icing-a-plane.jpg/de-icing-a-plane.jpg/metofficegovuk
%3AheroXXLarge",
"description": "Site-specific forecasts, on-site meteorologists, consultancy and
training to help airlines, airports and air traffic control improve business
efficiency.",
"url": "https://www.metoffice.gov.uk/services/transport/aviation/commercial"
}
//]]>
</script>
```

```

<script>window['gtag_enable_tcf_support'] = true;</script>
<script type="text/javascript">
```

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<link rel="icon" href="/favicon-dark.png" media="(prefers-color-scheme:dark)">
<link rel="manifest" href="/manifest.json">
<meta name="theme-color" content="#2a2a2a">
<meta property="og:image"
content="https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/
hero-images/advice/corporate/advertising/playing-chess.jpg">
<meta property="og:image:width" content="1920">
<meta property="og:image:height" content="960">
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content="LR7Q3483mkrmLcJJZpzlbl48mNnTbBDVzjA3GqT3Q2M">
<meta name="google-translate-customization" content="f8c19e614cd5ee7e-
37428b41ac444aca-gd1bc91f73b6940ae-14">
<link rel="canonical" href="https://www.metoffice.gov.uk/about-us/supplying-
the-met-office/advertising/sponsorship-opportunities">
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/base.css"
type="text/css">
<script type="text/javascript" async=""
src="https://www.googleadservices.com/pagead/conversion_async.js"></
script><script type="text/javascript" async="" src="https://www.google-
analytics.com/analytics.js"></script><script type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
2MWC7FCEB2&l=dataLayer&cx=c"></script><script
type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
K77XZ36FRH&l=dataLayer&cx=c"></script><script gtm="GTM-
NG48PDS" type="text/javascript" async="" src="https://www.google-
analytics.com/gtm/optimize.js?id=GTM-WFR2SRH"></script><script async=""
src="https://www.googletagmanager.com/gtm.js?id=GTM-NG48PDS"></script>
<script src="/public/adhoc/mo-adhoc.js" defer=""></script>
<script src="/public/gdpr-consent/cookieControl-config.js"
defer="defer"></script>
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/breadcrumb.css"
type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/feedback-banner.css"
type="text/css">
<title>Sponsorship opportunities - Met Office</title>
<meta property="og:title" content="Sponsorship opportunities">
<meta name="title" data-type="string" class="swifttype" content="Sponsorship
opportunities">
<meta name="description" content="We are offering a number of sponsorship
opportunities across some of our digital content hubs to match your campaign
goals.">
<meta property="og:description" content="We are offering a number of
sponsorship opportunities across some of our digital content hubs to match your
campaign goals.">
<script type="text/javascript"
src="https://securepubads.g.doubleclick.net/tag/js/gpt.js"></script>
<script src="/webfiles/1658483350597/js/minified/advertising.min.js"></script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("ad-bottom","ad-
bottom",false);
```



```

//]]>
</script>
<script>
//<![CDATA[
window.metoffice = window.metoffice || {};
window.metoffice.advertising = window.metoffice.advertising || {};
window.metoffice.advertising.addTargeting("env", "beta");
window.metoffice.advertising.addTargeting("warnings", "false");
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("mpu","mpu",false);
//]]>
</script>
<link imagesizes="100vw" as="image"
imagesrcset="/binaries/content/gallery/metofficegovuk/hero-images/advice/
corporate/advertising/playing-chess.jpg/playing-chess.jpg/metofficegovuk
%3AheroXXLarge 1920w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
advertising/playing-chess.jpg/playing-chess.jpg/metofficegovuk%3AheroXLarge
1600w, /binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
advertising/playing-chess.jpg/playing-chess.jpg/metofficegovuk%3AheroLarge
1366w, /binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
advertising/playing-chess.jpg/playing-chess.jpg/metofficegovuk%3AheroMedium
1024w, /binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
advertising/playing-chess.jpg/playing-chess.jpg/metofficegovuk%3AheroSmall
768w, /binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
advertising/playing-chess.jpg/playing-chess.jpg/metofficegovuk%3AheroXSmall
640w" rel="preload" href="/binaries/content/gallery/metofficegovuk/hero-
images/advice/corporate/advertising/playing-chess.jpg/playing-chess.jpg/
metofficegovuk%3AheroMedium">
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyRight","skyRight",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyLeft","skyLeft",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("forecastLeader","forecastLe
ader",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.allocateLeaderAdspotSpace = (window.innerWidth
<= 1630 && window.innerWidth >= 975)?"130px":"0px"
//]]>
</script>

```

```
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/article.css"
type="text/css">
<script>
dataLayer = [];
</script>
<script src="https://cc.cdn.civiccomputing.com/9/cookieControl-9.6.1.min.js"
integrity="sha384-aqvFY6jJZz7P1H3oZsg8o0LwTPPzfe8oAUERJ960teK4rPG+
+iAX5I5gyu0iEzf" crossorigin="anonymous"></script><style>.ccc-disable-
scroll{overflow-y:scroll;position:fixed}#ccc{font-family:Arial,sans-serif;font-
size:16px;line-height:1.4em;position:fixed;z-index:2147483647}#ccc-
icon{background:transparent;border:0;bottom:0;cursor:pointer;height:80px;padd-
ing:0;position:fixed;width:80px;z-index:20}#ccc-icon.ccc-icon--left{left:0}#ccc-
icon.ccc-icon--right{right:0}#ccc-icon.ccc-icon--dark{fill:#000025}#ccc-
icon.ccc-icon--dark #star path{fill:#fff}#ccc-icon.ccc-icon--light{fill:#555}#ccc-
icon.ccc-icon--light #star path{fill:#f4f4f4}#ccc-overlay{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:fade-in;animation-
name:fade-in;-webkit-backface-visibility:hidden;backface-
visibility:hidden;background:rgba(0,0,0,.4);bottom:0;left:0;opacity:1;perspective:
0;position:fixed;right:0;top:0;will-change:opacity;z-index:1}#ccc-
module{height:100%;position:fixed;width:100%;z-index:2}#ccc-module.ccc-
module--slideout{bottom:0;max-width:520px;top:0;width:90%}#ccc-module.ccc-
module--slideout.ccc-module--left{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-right;animation-name:slide-right;left:0}#ccc-
module.ccc-module--slideout.ccc-module--right{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:slide-left;animation-
name:slide-left;right:0}#ccc-content{box-sizing:border-
box;height:100%;overflow-
y:auto;padding:24px;position:absolute;width:100%}.ccc-content--
dark{fill:#fff;background-color:#313147;color:#fff}.ccc-content--
light{fill:#333;background-color:#f4f4f4;color:#333}#ccc-close{align-
items:center;background-
color:transparent;border:0;cursor:pointer;display:flex;padding:0!
important;position:absolute;right:16px;top:16px;z-index:10}#ccc-title,.ccc-
title{font-size:1.2em;font-weight:700;line-height:1.5em;margin:0;padding-
right:32px;text-align:left}#ccc #ccc-recommended-
settings{clear:both;float:none;margin-left:0}#ccc h2,#ccc h3{font-
weight:700;margin:0;padding-right:120px}#ccc h2,#ccc h3,#ccc p,.ccc-
intro{font-size:1em;line-height:1.5em;text-align:left}#ccc p,.ccc-intro{font-
weight:400;margin:1em 0}#ccc hr{border:0;height:1px;margin:24px
0;opacity:.25}#ccc .ccc-svg-element{display:inline-block;height:16px;margin-
left:8px;position:relative;top:6px;width:16px}#ccc .ccc-content--dark
hr{background-color:#fff}#ccc .ccc-content--dark a,#ccc .ccc-content--dark
h1,#ccc .ccc-content--dark h2,#ccc .ccc-content--dark h3,#ccc .ccc-content--
dark p,#ccc .ccc-content--dark span{fill:#fff;color:#fff}#ccc .ccc-content--light
hr{background-color:#333}#ccc .ccc-content--light a,#ccc .ccc-content--light
h1,#ccc .ccc-content--light h2,#ccc .ccc-content--light h3,#ccc .ccc-content--
light p,#ccc .ccc-content--light span{fill:#333;color:#333}#ccc .optional-
cookie{position:relative}.checkbox-
toggle{margin:0;position:absolute;right:0;top:-3px}#ccc .checkbox-toggle-
input{bottom:0;display:block;height:100%;left:0;margin:0;opacity:0;padding:0;p-
osition:absolute;right:0;top:0;width:100%;z-index:1}#ccc .checkbox-toggle--
```

```

checkbox{border:2px solid #fff;border-radius:4px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-
label{display:block;height:24px;width:24px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-off,#ccc .checkbox-toggle--checkbox.checkbox-
toggle-on{display:none}#ccc .checkbox-toggle--checkbox .checkbox-toggle-
toggle{border-
radius:4px;display:block;height:100%;position:relative;width:100%}#ccc .checkb
ox-toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border:solid
#fff;border-width:0 3px 3px
0;content:"";height:10px;left:9px;position:absolute;top:5px;transform:rotate(45d
eg);width:5px}#ccc .checkbox-toggle--slider{border:4px solid #fff;border-
radius:50px}#ccc .checkbox-toggle--slider .checkbox-toggle-
label{cursor:pointer;display:flex;margin:0;z-index:1}#ccc .checkbox-toggle--
slider .checkbox-toggle-off,#ccc .checkbox-toggle--slider .checkbox-toggle-
on{flex:1;flex-basis:50%;font-size:.75em;font-weight:700;min-
width:40px;padding:0 6px;text-align:center;white-space:nowrap;width:50%;z-
index:2}#ccc .checkbox-toggle--slider .checkbox-toggle-
off{opacity:.65}#ccc .checkbox-toggle--slider .checkbox-toggle-
toggle{background-color:#000;border-
radius:50px;cursor:pointer;display:block;height:100%;left:0;position:absolute;top
:0;transition:all .4s ease;width:50%;z-index:3}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{left:50%}#ccc .checkbox-toggle--
slider.checkbox-toggle--dark{background-color:#111125;border-
color:#111125}#ccc .checkbox-toggle--checkbox.checkbox-toggle-
dark{background-color:#111125;border-color:#fff}#ccc .checkbox-toggle--
dark .checkbox-toggle-toggle{background-color:#2f2f5f}#ccc .checkbox-toggle--
light{background-color:#555;border-color:#555}#ccc .checkbox-toggle--
light .checkbox-toggle-toggle{background-color:#000}#ccc .checkbox-toggle--
light .checkbox-toggle-on,#ccc .checkbox-toggle--slider.checkbox-toggle-
light .checkbox-toggle-off{color:#fff}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{background-color:#fff}#ccc .ccc-
alert{border-radius:8px;margin:24px 0;padding:16px}#ccc .ccc-alert-title{align-
items:center;display:flex;padding:0}#ccc .ccc-alert-icon{display:inline-
block;flex-shrink:0;height:30px;margin:0 8px 0 0;width:30px}#ccc .ccc-alert-
break{margin:12px 0}.third-party-cookie-link{align-
items:center;display:flex;margin:16px 0}.third-party-cookie-name{font-
size:1em;font-weight:700}.third-party-cookie-icon{display:inline-
block;height:16px;margin-left:16px;width:16px}#ccc .ccc-content--dark .ccc-
alert{fill:#fff;background:#111125;color:#fff}#ccc .ccc-content--dark .third-
party-cookie-link{background:#111125;color:#fff}#ccc .ccc-content--light .ccc-
alert,#ccc .ccc-content--light .third-party-cookie-link{background:#eaeaea}#ccc
.ccc-module--popup{-webkit-animation-duration:.4s;animation-duration:.4s;-
webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-
animation-name:slide-up;animation-name:slide-
up;bottom:0;left:0;opacity:1;right:0;top:0}#ccc .ccc-module--popup #ccc-
content{border-radius:12px;height:90%;left:50%;max-height:600px;max-
width:600px;top:50%;transform:translate(-50%,-50%);width:90%}#ccc .ccc-
notify-box-dismiss{display:none!important}@media (min-width:600px){#ccc
#ccc-notify.ccc-notify__box{-webkit-animation-duration:.8s;animation-
duration:.8s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:box-slide-up;animation-name:box-slide-up;border-
radius:12px;box-sizing:border-box;flex-direction:column;height:90%;justify-
content:space-around;left:50%;max-height:240px;max-
width:480px;opacity:1;padding:32px 64px;top:50%;transform:translate(-50%,-

```

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50%);width:90%}#ccc .ccc-notify-box-dismiss{display:block!
important;position:absolute!important;right:16px!important;top:16px!
important}}#ccc #ccc-notify{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-up;animation-name:slide-up;border-
radius:0;bottom:0;display:flex;flex-direction:column;height:auto;justify-
content:space-between;left:0;margin:0;min-
height:48px;opacity:1;overflow:hidden;padding:16px;position:fixed;right:0;z-
index:30}.ccc-notify-text h1{font-size:1em;font-weight:700;line-
height:1.5em;margin:0;padding-right:120px;text-align:left}#ccc #ccc-notify.ccc-
notify__top{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-
animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-
name:slide-down;animation-name:slide-down;bottom:auto;top:0}#ccc #ccc-
notify h3{padding:0}#ccc #ccc-notify p{font-
size:.9em;margin:0;opacity:.8}#ccc .ccc-notify-buttons{margin-
top:16px;padding-right:24px;position:relative}#ccc .ccc-notify-
button{background:transparent;border:2px solid;border-
radius:4px;cursor:pointer;font-size:1em;font-weight:400;line-
height:1.5em;margin:4px 8px 16px 0;padding:8px 16px!important}#ccc #ccc-
notify-dismiss{background-
color:transparent;border:0;cursor:pointer;display:inline-
flex;height:24px;padding:0!important;position:absolute;right:0;top:-
4px;width:24px}@media (min-width:400px){#ccc #ccc-notify-
dismiss{position:relative;right:auto}#ccc .ccc-notify-buttons{padding-
right:0}}@media (min-width:1020px){#ccc #ccc-notify{align-items:center;flex-
direction:row}#ccc .ccc-notify-text{margin-right:16px}#ccc .ccc-notify-
buttons{flex-shrink:0;white-space:nowrap}}@media (min-width:1200px){#ccc
#ccc-notify{font-size:16px;padding:16px 100px;z-index:10}}#ccc .ccc-content--
dark #ccc-notify,#ccc .ccc-content--dark #ccc-notify span{fill:#fff;background-
color:#313147;color:#fff}#ccc .ccc-content--dark .ccc-notify-button,#ccc .ccc-
content--dark .ccc-notify-button span{border-color:#fff;color:#fff}#ccc .ccc-
content--dark .ccc-button-solid,#ccc .ccc-content--dark .ccc-button-solid
span{background:#fff;color:#111125;font-weight:700}.ccc-notify-link{border:0!
important;text-decoration:underline}#ccc .ccc-content--light #ccc-
notify,#ccc .ccc-content--light #ccc-notify
span{fill:#000;background:#f4f4f4;color:#000}#ccc .ccc-content--light .ccc-
notify-button,#ccc .ccc-content--light .ccc-notify-button span{border-
color:#000;color:#000}#ccc .ccc-content--light .ccc-button-solid,#ccc .ccc-
content--light .ccc-button-solid span{background:#000;color:#fff;font-
weight:700}.ccc-info-link{font-size:.8em;font-weight:700;text-
decoration:none}.ccc-info-link .svg-element{height:14px;margin-
left:6px;width:14px}#ccc .ccc-module--slideout .ccc-
info{height:100px}#ccc[popup] .ccc-info{height:40px}@media
print{#ccc{display:none!important}}#ccc-close-label{display:block;font-
size:16px}#ccc .ccc-panel--indent #ccc-title{padding-right:180px}#ccc-
close.ccc-close--labelled{padding:8px!important;right:0;top:0}#ccc-content.ccc-
content--light #ccc-close.ccc-close--labelled{background-color:#eaeaea}#ccc-
content.ccc-content--dark #ccc-close.ccc-close--labelled{background-
color:#111125}#ccc-end{margin:16px 0 32px}#ccc-dismiss-
button{display:block}#ccc .ccc-content--highlight .ccc-link.ccc-
tabbable:focus{filter:invert(100%);padding:8px}#ccc .ccc-content--highlight.ccc-
content--light .ccc-link.ccc-tabbable:focus{background-color:#eaeaea!
important;border-color:#eaeaea!important}#ccc .ccc-content--highlight.ccc-
content--dark .ccc-link.ccc-tabbable:focus{background-color:#111125!

```

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important;border-color:#111125!important}#ccc .ccc-content--highlight #ccc-
close:focus,#ccc .ccc-content--highlight .ccc-button-solid:focus,#ccc .ccc-
content--highlight .checkbox-toggle-input:focus~.checkbox-toggle-
toggle,#ccc .ccc-content--highlight .third-party-cookie-
link:focus{filter:invert(100%)}#ccc .ccc-content--highlight.ccc-content--
light .ccc-tabbable:focus{box-shadow:0 4px 8px 0 hsla(0,0%,100%,.2),0 6px
20px 0 hsla(0,0%,100%,.2)}#ccc .ccc-content--highlight.ccc-content--dark .ccc-
tabbable:focus{box-shadow:0 4px 8px 0 rgba(0,0,0,.2),0 6px 20px 0
rgba(0,0,0,.2)}#ccc .checkbox-toggle:focus-within{outline:auto}#ccc #ccc-
icon.ccc-icon--no-outline,#ccc .ccc-content--no-outline *,#ccc .ccc-content--no-
outline .ccc-tabbable{outline:none}#ccc .ccc-content--highlight .ccc-
tabbable:active,#ccc .ccc-content--highlight .ccc-tabbable:hover,#ccc .ccc-icon--
highlight:active,#ccc .ccc-icon--highlight:hover{box-shadow:none!
important;filter:none!important}.ccc-
panel{left:24px;position:absolute;right:24px;top:24px}.ccc-
panel.hidden{height:0;opacity:0;overflow:hidden}.ccc-
panel.visible{height:auto;opacity:1;transition:opacity .4s}#ccc .iab-
vendor,#ccc .optional-vendor{margin:0 0 8px}#ccc .optional-vendor{font-
size:.875em}#ccc .optional-vendor-heading{font-weight:700;padding-
left:24px;text-decoration:underline}#ccc .ccc-vendor-reveal{align-
items:center;background:transparent;border:1px dotted;display:flex;font-
size:.875em;opacity:.5;transition:opacity .4s}#ccc .ccc-vendor-reveal:focus,#ccc
.ccc-vendor-reveal:hover{opacity:1}#ccc .ccc-legal-description{margin-
top:1rem}#ccc .ccc-vendor-reveal svg{height:16px;margin-
left:8px;width:16px}#ccc .optional-vendor-warning{align-
items:center;display:flex}#ccc .optional-vendor-warning
svg{height:16px;margin-right:8px;width:16px}#ccc .optional-vendor-
content{padding-left:24px}#ccc .iab-vendor-heading{font-size:.875em;font-
weight:400;text-decoration:underline}#ccc .cmp-button-holder{display:flex;font-
size:.75em;justify-content:space-between}#ccc .cmp-
back{opacity:.5;transition:opacity .4s}#ccc .cmp-back:hover{opacity:1}.ccc-sr-
only{clip:rect(0,0,0,0);border:0;height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}@-webkit-keyframes
fade-in{0%{opacity:0}to{opacity:1}}@keyframes fade-in{0%
{opacity:0}to{opacity:1}}@-webkit-keyframes slide-right{0%
{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-right{0%{transform:translate3d(-
100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-left{0%
{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@-
webkit-keyframes slide-up{0%
{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@keyframes
slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@-
webkit-keyframes box-slide-up{0%{transform:translate3d(-
50%,100%,0)}to{transform:translate3d(-50%,-50%,0)}}@keyframes box-slide-
up{0%{transform:translate3d(-50%,100%,0)}to{transform:translate3d(-50%,-
50%,0)}}@-webkit-keyframes slide-down{0%{transform:translate3d(0,-
100%,0)}to{transform:translateZ(0)}}@keyframes slide-down{0%
{transform:translate3d(0,-100%,0)}to{transform:translateZ(0)}}#ccc .iab-
object{height:48px;position:relative;width:98%}#ccc .iab-object.iab-object--
vendor{width:85%}#ccc .iab-object .checkbox-
toggle{left:0;right:auto;top:4px}#ccc .iab-object .checkbox-toggle-
label{height:18px;width:18px}#ccc .iab-object .checkbox-toggle--checkbox
input:checked~.checkbox-toggle-toggle:after{border-width:0 2px 2px

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0;height:8px;left:7px;top:3px;width:3px}#ccc .iab-object-label{display:block;font-size:.75em;margin-left:32px}#ccc .vendor-details{font-size:.75rem;margin-bottom:16px}#ccc .vendor-details h4{margin:.5rem 0}#ccc .ccc-title.ccc-title--iab{margin-bottom:1rem}#ccc .iab-header-toggle{align-items:center;display:flex;margin-bottom:1rem}#ccc .iab-header-toggle .ccc-title{margin:0 0 0 16px}#ccc .iab-header-toggle .ccc-vendor-reveal svg{margin:0}#ccc .iab-vendor-toggle .checkbox-toggle{top:auto}#ccc .iab-vendor-toggle h3{padding-right:180px}#ccc .iab-disclosure-load{align-items:center;display:flex}#ccc .iab-disclosure-load button{margin-right:12px}#ccc .iab-disclosure-load a{text-decoration:none}#ccc .iab-disclosure-load a>span{position:relative;top:-2px}#ccc .iab-disclosure-load a>.ccc-svg-element{top:4px}#ccc .iab-disclosure-table{border-collapse:collapse;margin:2em 0;width:100%}#ccc .iab-disclosure-table td,#ccc .iab-disclosure-table th{border:1px solid}#ccc .iab-disclosure-table thead td{border:none}#ccc .ccc-content--dark td,#ccc .ccc-content--dark th{border-color:#fff}#ccc .iab-disclosure-table dl{display:grid;grid-template:auto/1fr 1fr;width:150px}#ccc .iab-disclosure-table ul{list-style:none}#ccc .iab-disclosure-table dl,#ccc .iab-disclosure-table ul{margin:0;padding:0}#ccc .iab-disclosure-table dd,#ccc .iab-disclosure-table dt,#ccc .iab-disclosure-table li{border-bottom:1px solid rgba(0,0,0,.1);margin:0;padding:.3em .5em}#ccc .ccc-content--dark .iab-disclosure-table dd,#ccc .ccc-content--dark .iab-disclosure-table dt,#ccc .ccc-content--dark .iab-disclosure-table li{border-bottom:1px solid hsla(0,0%,100%,.1)}#ccc .ccc-content--dark .iab-disclosure-table li:last-child{border:none}#ccc .iab-disclosure-table td,#ccc .iab-disclosure-table th{padding:1em;vertical-align:top}#ccc .iab-disclosure-table tr:nth-child(2n){background:rgba(0,0,0,.1)}#ccc .ccc-content--highlight .ccc-tabbable:hover{outline:auto}</style><style>#ccc,#ccc button{font-family:fsemeric,arial,san-serif !important;}#ccc #ccc-content,#ccc #ccc-notify{background-color:#262626 !important;}#ccc h2,#ccc h3{font-size:1.1em !important;}#ccc,#ccc p,#ccc .third-party-cookie-link{font-size:14px !important;}#ccc #ccc-title{font-size:1.4em !important;}#ccc .checkbox-toggle-on,#ccc .checkbox-toggle-off{color:#262626 !important;}#ccc .checkbox-toggle-toggle{background-color:#262626 !important;}#ccc .checkbox-toggle{background-color:#f5f5f5 !important;border-color:#f5f5f5 !important;}#ccc .ccc-notify-button.ccc-accept-button,#ccc .ccc-notify-button.ccc-accept-button span,#ccc .ccc-notify-button.ccc-close-button,#ccc .ccc-notify-button.ccc-close-button span{color:#262626 !important;}#ccc .ccc-notify-button.ccc-accept-button,#ccc .ccc-notify-button.ccc-accept-button span,#ccc .ccc-notify-button.ccc-close-button,#ccc .ccc-notify-button.ccc-close-button span{background-color:#b9db0c !important;border-color:#b9db0c !important;}</style><meta http-equiv="origin-trial" content="AzoawhTRDevLR66Y6MROu167EDncFPBvcKOaQispTo9ouEt5LvcBjnRFqiABYRT+2cDHG1Yj4dXwpLeIhc98/gIAAACFeyJvcmlnaW4iOiJodHRwczovL2RvdWJsZWNSaWNrLm5ldDo0NDMiLCJmZWZ0dXJlIjojUHJpdmFjeVNHbmRib3hBZHNBUElziwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1N1YmRvbWVpbil6dHJlZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><meta http-equiv="origin-trial" content="A6+nc62kbJgC46ypOwRsNW6RkDn2x7tgRh0wp7jb3DtFF7oEhu1hhm4rdZH6zXvnKZLIYcBIQUlmC4d3kKihAcAAACLeyJvcmlnaW4iOiJodHRwczovL2dvb2dsZXN5bmRpdjY2F0aW9uLmNvbTo0NDMiLCJmZWZ0dXJlIjojUHJpdmFjeVNHbmRib3hBZHNBUElziwiZXhwaXJ5IjoxNjYxMjk5MTk5LCJpc1N1YmRvbWVpbil6dHJlZSwiaXNUaGlyZFBhcnR5Ijp0cnVlfQ=="><meta http-equiv="origin-trial"

content="A/9La288e7MDEU2ifusFnMg1C2lj6uoa/Z/ylwJlXSsWfK37oESIPbxbt4IU86
OGqDEPnNVruUiMjfKo65H/
CQwAAACLeyjvcmlnaW4iOiJodHRwczovL2dzb2dsZXRhZ3NlcnZpY2VzLmNvbTo0N
DMiLCJmZWFOdXJlIjoUJHJpdMfjeVNhbmRib3hBZHNBUElziwiZXhwaXJ5IjoXNjYxMjk
5MTk5LCJpc1N1YmRvbWFpbil6dHJ1ZSwiaXNUaGlyZFBhcnR5Ij0cnVlfQ== "><scr
ipt src="https://securepubads.g.doubleclick.net/gpt/pubads_impl_2022072702.js"
async=""></script><link rel="preload"
href="https://adservice.google.co.uk/adsid/integrator.js?
domain=www.metoffice.gov.uk" as="script"><script type="text/javascript"
src="https://adservice.google.co.uk/adsid/integrator.js?
domain=www.metoffice.gov.uk"></script><link rel="preload"
href="https://adservice.google.com/adsid/integrator.js?
domain=www.metoffice.gov.uk" as="script"><script type="text/javascript"
src="https://adservice.google.com/adsid/integrator.js?
domain=www.metoffice.gov.uk"></script><meta http-equiv="origin-trial"
content="A9wkrvp9y21k30U9IU7MJMjBj4USjLrGwV+Z8zO3J3ZBH139DOnCv3XLK
2li40S94HG1SZ/
Zeg2GSHOD3wlWngYAAAB7eyjvcmlnaW4iOiJodHRwczovL3d3dy5nb29nbGV0YWd
tYW5hZ2VyLmNvbTo0NDMiLCJmZWFOdXJlIjoUJHJpdMfjeVNhbmRib3hBZHNBUElzi
wiZXhwaXJ5IjoXNjYxMjk5MTk5LCJpc1RoXjkUGFydHkiOnRydWV9"><script
type="text/javascript" async=""
src="https://googleads.g.doubleclick.net/pagead/viewthroughconversion/
823950598/?
random=1659422882656&cv=9&fst=1659422882656&num=1&
amp;bg=ffffff&guid=ON&resp=GooglemKTybQhCsO&u_h=844&a
mp;u_w=390&u_ah=844&u_aw=390&u_cd=32&u_his=6&a
mp;u_tz=60&u_java=false&u_nplug=0&u_nmime=0>m=2
wg7r0&sendb=1&ig=1&frm=0&url=https%3A%2F
%2Fwww.metoffice.gov.uk%2Fabout-us%2Fsupplying-the-met-office
%2Fadvertising%2Fsponsorship-opportunities&ref=https%3A%2F
%2Fwww.metoffice.gov.uk%2Fservices%2Ftransport%2Faviation
%2Fcommercial&tiba=Sponsorship%20opportunities%20-%20Met
%20Office&gdp_r_consent=CPdF8uyPdF8uyEDAJBENCaCsAP_AAH_AAAwII7Nf
_X_b3_j-_5_t0eY1f9_7_-0zjhfdt-
8N3f_X_L8X_2M7vF36pq4KuR4ku3bBIQdlHOncTUMx6olVrzPsbk2cr7NKJ7Pkmnsbe
2dYGH9_n9_z_ZKZ7_____7_-
_____v_3_____997f3_____9_____8Edmv_r_t7_z_f9_
_26PMav-_9_aZxwvu2_eG7v_r_l-
L_7Gd3i79W18FXI8SXbtgkIO2jnTujqTY9USq15n2NybOV9mIE_nyTT2NvbOsDD-_z-
_5_slM9_____9_____3_____ -
AA&gdp_r=1&hn=www.googleadservices.com&async=1&frm
t=3&fmt=4"></script><script
src="https://s2.getsitecontrol.com/widgets/es6/runtime.bc4da13.js"></
script></head>
<body class="user-tabbing tcf-p1 tcf-p2 tcf-p3 tcf-p4"><div id="ccc"
role="region" aria-label="Cookie preferences" aria-live="polite" style="z-index:
2147483647;"></div>
<script src="/webfiles/1658483350597/js/common/set-body-class.js"></script>
<script src="/webfiles/1658483350597/js/common/run-ab-test.js"></script>
<div id="lead-ad-spacer" style="min-height: 0px;"><div class="draggable-
advert forecastLeader" id="forecastLeader" style="display:
none;"></div></div>
<script>
let leadAdSpacer= document.getElementById("lead-ad-spacer");

```

leadAdSpacer.style.minHeight =
window.metoffice.advertising.allocateLeaderAdspotSpace;
</script>
<header id="header">
<div id="skiplink-container" tabindex="0">
<a href="#content" id="skiplink" class="skiplink">Skip to main content</a>
</div>
<div class="upper">
<div class="upper-container container row middle-xs">
<div class="logo col-xs-6 col-sm-8 col-lg-2">
<a href="/"></a>
</div>
<div class="col-xs-6 col-sm-4 hide-lg no-js-hide menu-button">
<button class="mobile-settings" data-settings-control="true"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span>
</button>
<button id="menu-button" aria-haspopup="true" aria-controls="lower-
container">Menu</button>
</div>
<nav aria-label="first level" class="top-menu has-edit-button col-lg-10 show-lg
hide-sm hide-xs">
<ul id="top-level-menu">
<li><a href="/weather" data-topmenu-id="0" aria-controls="menu0">Weather
&amp; climate</a></li>
<li><a href="/research" data-topmenu-id="1" aria-controls="menu1">Research
programmes</a></li>
<li><a href="/services" data-topmenu-id="2" aria-
controls="menu2">Services</a></li>
<li><a href="/about-us" data-topmenu-id="3" aria-controls="menu3" aria-
expanded="true">About us</a></li>
</ul>
</nav>
</div>
</div>
<div class="lower">
<div id="lower-container" class="lower-container container row middle-lg" data-
nav="false" data-second-nav="false" data-search="false">
<div class="logo-container">
<div class="logo col-xs-8 col-lg-2">
<a id="menu-open-logo" href="/"><span class="mo-logo">Met
Office</span></a>
</div>
<div class="menu-button col-xs-4 hide-lg no-js-hide">
<button id="close-menu-button" type="button" value="Close" aria-
controls="lower-container" aria-label="Close menu" title="Close menu">
<span class="icon" data-type="global" data-value="close" aria-
hidden="true"></span>
</button>
</div>
</div>

```



```

<form id="site-search-form" class="search-form col-xs-12" role="search"
action="/search" method="get">
<label for="site-search-input" class="off-screen no-js-hide">Search site</label>
<input id="site-search-input" type="search" class="col-sm-11"
placeholder="Search" name="query" autocomplete="off" required="">
<button type="submit" tabindex="-1" value="Search" title="Search" class="col-
sm-1 col-lg-offset-0">
<span class="icon" data-type="global" data-value="search">Search</span>
</button>
<button id="close-search-button" type="button" title="Close" value="Close"
class="no-js-hide">
<span class="icon" data-type="global" data-value="close">x</span>
</button>
</form> <div class="third-level-back col-xs-12 col-lg-12 col-lg-offset-0">
<span id="third-level-back" class="row middle-xs" role="button" tabindex="0"
aria-label="Back to second level menu">

<span>Back</span>
</span>
</div>
<nav aria-label="second level" id="secondary-nav" class="main-menu col-xs-12
col-sm-12 col-lg-11 col-lg-offset-0 no-js-show">
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="0" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-0" href="/weather">
<div>
<span class="menu-link-text">Weather & climate</span>
<div id="menu-desc-0" class="menu-desc hide-lg">
<span>Everything you need to know about the forecast, and making the most of
the weather.</span>
</div>
</div>

</a>
</div>
<ul id="menu0" data-submenu-id="0" data-toggle="false">
<li>
<a href="/" data-index="0">
Find a forecast

</a>
</li>
<li data-children="true">
<a href="/weather/warnings-and-advice" aria-haspopup="true" aria-
controls="menu0Sub1" data-index="1">
Warnings & advice

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</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Warnings & advice</div>
<ul id="menu0Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/warnings-and-advice/uk-warnings" data-index="0">
UK weather warnings

</a>
</li>
<li>
<a href="/weather/warnings-and-advice/uk-storm-centre/index" data-
index="1">
UK Storm Centre

</a>
</li>
<li>
<a class="last" href="/weather/warnings-and-advice/seasonal-advice" data-
index="2">
Seasonal advice

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" aria-
haspopup="true" aria-controls="menu0Sub2" data-index="2">
Maps & charts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Maps & charts</div>
<ul id="menu0Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
```

```
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" data-
index="0">
UK weather map

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/weather/maps-and-charts/rainfall-radar-
forecast-map" data-index="1">
New map beta

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/public/weather/observation/rainfall-
radar" data-index="2">
UK rainfall radar

</a>
</li>
<li>
<a href="/weather/forecast/uk" data-index="3">
UK forecast

</a>
</li>
<li>
<a href="/weather/maps-and-charts/surface-pressure" data-index="4">
Surface pressure charts

</a>
</li>
<li>
<a class="last" href="/weather/world/list" data-index="5">
All countries

</a>
</li>
</ul>
</div>
</nav>
</li>
```

```
<li data-children="true">
<a href="/weather/climate" aria-haspopup="true" aria-controls="menu0Sub3"
data-index="3">
Climate

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate</div>
<ul id="menu0Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/climate/climate-explained/index" data-index="0">
Climate explained

</a>
</li>
<li>
<a href="/weather/climate-change/what-is-climate-change" data-index="1">
What is climate change?

</a>
</li>
<li>
<a href="/weather/climate-change/causes-of-climate-change" data-index="2">
Causes of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/effects-of-climate-change" data-index="3">
Effects of climate change

</a>
</li>
<li>
<a href="/weather/climate-change/climate-change-questions" data-index="4">
Climate change questions

</a>
</li>
</li>
```

```
<a href="/weather/climate/uk-climate" data-index="5">
UK climate

</a>
</li>
<li>
<a href="/weather/climate/science" data-index="6">
Climate science

</a>
</li>
<li>
<a class="last" href="/weather/climate-change/organisations-and-reports" data-
index="7">
Organisations and reports

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/specialist-forecasts" aria-haspopup="true" aria-
controls="menu0Sub4" data-index="4">
Specialist forecasts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Specialist forecasts</div>
<ul id="menu0Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/specialist-forecasts/coast-and-sea" data-index="0">
Coast and Sea

</a>
</li>
<li>
<a href="/weather/specialist-forecasts/mountain" data-index="1">
Mountain
```

```

</a>
</li>
<li>
<a class="last" href="/weather/specialist-forecasts/space-weather" data-
index="2">
Space Weather

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/learn-about" aria-haspopup="true" aria-
controls="menu0Sub5" data-index="5">
Learn about...

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Learn about...</div>
<ul id="menu0Sub5" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/learn-about/past-uk-weather-events" data-index="0">
Past UK weather events

</a>
</li>
<li>
<a href="/weather/learn-about/weather" data-index="1">
Weather

</a>
</li>
<li>
<a href="/weather/learn-about/how-forecasts-are-made" data-index="2">
How forecasts are made

</a>
```

```
</li>
<li>
<a class="last" href="/weather/learn-about/met-office-for-schools" data-
index="3">
Met Office for Schools

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="1" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-1" href="/research">
<div>
<span class="menu-link-text">Research programmes</span>
<div id="menu-desc-1" class="menu-desc hide-lg">
<span>The latest breakthroughs, research and news from the Met
Office.</span>
</div>
</div>

</a>
</div>
<ul id="menu1" data-submenu-id="1" data-toggle="false">
<li data-children="true">
<a href="/research/approach/index" aria-haspopup="true" aria-
controls="menu1Sub0" data-index="0">
Our approach

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Our approach</div>
<ul id="menu1Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/approach/overview" data-index="0">
Overview by our Chief Scientist

</a>
</li>
```

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<li>
<a href="/research/approach/how-met-office-science-is-reviewed" data-
index="1">
How Met Office science is reviewed

</a>
</li>
<li>
<a href="/research/approach/collaboration" data-index="2">
Collaboration

</a>
</li>
<li>
<a href="/research/approach/modelling-systems" data-index="3">
Modelling systems

</a>
</li>
<li>
<a href="/research/approach/monitoring" data-index="4">
Monitoring

</a>
</li>
<li>
<a class="last" href="/research/approach/our-scientists/people" data-
index="5">
Our scientists

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/weather" aria-haspopup="true" aria-controls="menu1Sub1"
data-index="1">
Weather science

</a>
```



```
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Weather science</div>
<ul id="menu1Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/weather/atmospheric-dispersion" data-index="0">
Atmospheric dispersion and air quality

</a>
</li>
<li>
<a href="/research/weather/data-assimilation" data-index="1">
Data assimilation

</a>
</li>
<li>
<a href="/research/weather/ensemble-forecasting" data-index="2">
Ensemble forecasting

</a>
</li>
<li>
<a href="/research/weather/observations-research" data-index="3">
Observations research and development

</a>
</li>
<li>
<a href="/research/weather/ocean-forecasting" data-index="4">
Ocean forecasting

</a>
</li>
<li>
<a href="/research/weather/research-to-operations" data-index="5">
Research to operations

</a>
</li>
</li>
```

```
<a href="/research/weather/satellite-applications" data-index="6">
Satellite applications

</a>
</li>
<li>
<a href="/research/weather/verification-impacts-and-post-processing" data-
index="7">
Verification, impacts and post-processing

</a>
</li>
<li>
<a class="last" href="/research/weather/weather-science-it" data-index="8">
Weather science IT

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/climate" aria-haspopup="true" aria-controls="menu1Sub2"
data-index="2">
Climate science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate science</div>
<ul id="menu1Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/climate/cryosphere-oceans" data-index="0">
Climate, cryosphere and oceans

</a>
</li>
<li>
<a href="/research/climate/climate-impacts" data-index="1">
Climate impacts
```

```

</a>
</li>
<li>
<a href="/research/climate/climate-monitoring/index" data-index="2">
Climate monitoring and attribution

</a>
</li>
<li>
<a href="/research/climate/earth-system-science" data-index="3">
Earth system science

</a>
</li>
<li>
<a href="/research/climate/seasonal-to-decadal" data-index="4">
Monthly to decadal prediction

</a>
</li>
<li>
<a href="/research/climate/maps-and-data" data-index="5">
UK climate maps and data

</a>
</li>
<li>
<a class="last" href="/research/climate/understanding-climate" data-
index="6">
Understanding climate change

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/applied" aria-haspopup="true" aria-controls="menu1Sub3"
data-index="3">
Applied science
```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Applied science</div>
<ul id="menu1Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/applied/aviation" data-index="0">
Aviation applications

</a>
</li>
<li>
<a href="/research/applied/international" data-index="1">
Climate information for international development

</a>
</li>
<li>
<a href="/research/applied/climate-security" data-index="2">
Climate security

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="3">
Climate services

</a>
</li>
<li>
<a href="/research/applied/defence" data-index="4">
Defence applications

</a>
</li>
<li>
<a href="/research/applied/post-processing" data-index="5">
Post-processing applications
```

```

</a>
</li>
<li>
<a href="/research/applied/science-for-impacts-resilience-and-adaptation" data-
index="6">
Science for Impacts, Resilience and Adaptation (SIRA)

</a>
</li>
<li>
<a class="last" href="/research/applied/science-health-strategy" data-
index="7">
Science health strategy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/foundation" aria-haspopup="true" aria-
controls="menu1Sub4" data-index="4">
Foundation science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Foundation science</div>
<ul id="menu1Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/foundation/parametrizations" data-index="0">
Atmospheric processes and parametrizations

</a>
</li>
<li>
<a href="/research/foundation/dynamics" data-index="1">
Dynamic research

```

```
</a>
</li>
<li>
<a href="/research/foundation/global-modelling" data-index="2">
Global modelling

</a>
</li>
<li>
<a href="/research/foundation/informatics-lab/index" data-index="3">
Informatics Lab

</a>
</li>
<li>
<a href="/research/foundation/observational-studies" data-index="4">
Observation-based research

</a>
</li>
<li>
<a class="last" href="/research/foundation/regional-model-evaluation-and-
development/index" data-index="5">
Regional model evaluation and development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/research/library-and-archive" data-index="5">
Library

</a>
</li>
<li>
<a href="/research/news" data-index="6">
News

</a>
```

```
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="2" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-2" href="/services">
<div>
<span class="menu-link-text">Services</span>
<div id="menu-desc-2" class="menu-desc hide-lg">
<span>Support your business with world-leading science and
technology.</span>
</div>
</div>

</a>
</div>
<ul id="menu2" data-submenu-id="2" data-toggle="false">
<li data-children="true">
<a href="/services/government" aria-haspopup="true" aria-
controls="menu2Sub0" data-index="0">
Government

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Government</div>
<ul id="menu2Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/government/defence-and-security" data-index="0">
Defence and security

</a>
</li>
<li>
<a href="/services/government/devolved-administrations" data-index="1">
Devolved administrations

</a>
</li>
<li>
<a href="/services/government/environmental-hazard-resilience" data-
index="2">
Environmental Hazard and Resilience Services
```

```

</a>
</li>
<li>
<a class="last" href="/services/government/international-development" data-
index="3">
International development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/transport" aria-haspopup="true" aria-controls="menu2Sub1"
data-index="1">
Transport

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Transport</div>
<ul id="menu2Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/transport/aviation/commercial" data-index="0">
Aviation commercial

</a>
</li>
<li>
<a href="/services/transport/aviation/regulated" data-index="1">
Aviation regulated

</a>
</li>
<li>
<a href="/services/transport/cav" data-index="2">
CAV

</a>
```



```
</li>
<li>
<a href="/services/transport/marine" data-index="3">
Marine

</a>
</li>
<li>
<a href="/services/transport/rail" data-index="4">
Rail

</a>
</li>
<li>
<a class="last" href="/services/transport/road" data-index="5">
Road

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/business-industry" aria-haspopup="true" aria-
controls="menu2Sub2" data-index="2">
Business & industry

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Business & industry</div>
<ul id="menu2Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/business-industry/agriculture" data-index="0">
Agriculture

</a>
</li>
<li>
<a href="/services/business-industry/construction" data-index="1">
Construction
```

```

</a>
</li>
<li>
<a href="/services/business-industry/energy" data-index="2">
Energy

</a>
</li>
<li>
<a href="/services/business-industry/event-management" data-index="3">
Event management

</a>
</li>
<li>
<a href="/services/business-industry/legal-insurance" data-index="4">
Legal and insurance

</a>
</li>
<li>
<a href="/services/business-industry/media" data-index="5">
Media

</a>
</li>
<li>
<a href="/services/business-industry/mining" data-index="6">
Mining

</a>
</li>
<li>
<a href="/services/business-industry/retail" data-index="7">
Retail

</a>
</li>
<li>
```

```
<a class="last" href="/services/business-industry/water" data-index="8">
Water

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/data" aria-haspopup="true" aria-controls="menu2Sub3"
data-index="3">
Data

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Data</div>
<ul id="menu2Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a class="last" href="/services/data" data-index="0">
Weather and climate data

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/research-consulting" aria-haspopup="true" aria-
controls="menu2Sub4" data-index="4">
Research & consulting

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Research & consulting</div>
<ul id="menu2Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/research-consulting/access-a-meteorologist" data-
index="0">
Access a meteorologist
```

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</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="1">
Climate service

</a>
</li>
<li>
<a href="/services/research-consulting/international-programmes" data-
index="2">
International programmes

</a>
</li>
<li>
<a class="last" href="/services/research-consulting/weather-climate-
consultancy" data-index="3">
Weather and climate consultancy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/services/insights" data-index="5">
Insights

</a>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="3" data-toggle="true"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-3" href="/about-us" class="selected">
<div>
<span class="menu-link-text">About us</span>
<div id="menu-desc-3" class="menu-desc hide-lg">
<span>Who we are, what we do and organisational news.</span>
</div>
```

```
</div>

</a>
</div>
<ul id="menu3" data-submenu-id="3" data-toggle="true">
<li>
<a href="/about-us/who" data-index="0">
Who we are

</a>
</li>
<li data-children="true" class="selected">
<a href="/about-us/supplying-the-met-office" aria-haspopup="true" aria-
controls="menu3Sub1" data-index="1">
Supplying the Met Office

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Supplying the Met Office</div>
<ul id="menu3Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li class="selected">
<a href="/about-us/supplying-the-met-office/advertising/sponsorship-
opportunities" data-index="0">
Advertising

</a>
</li>
<li>
<a class="last" href="/about-us/supplying-the-met-office/procurement" data-
index="1">
Procurement

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/press-office" aria-haspopup="true" aria-
controls="menu3Sub2" data-index="2">
Press Office
```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Press Office</div>
<ul id="menu3Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/press-office/news/weather-and-climate" data-index="0">
Weather and climate news

</a>
</li>
<li>
<a href="/about-us/press-office/news/corporate" data-index="1">
Corporate news

</a>
</li>
<li>
<a href="https://blog.metoffice.gov.uk/" data-index="2">
News blog

</a>
</li>
<li>
<a href="/about-us/press-office/media-resources/podcasts" data-index="3">
Podcasts

</a>
</li>
<li>
<a class="last" href="/about-us/press-office/contact-press-office" data-
index="4">
Contact the Press Office

</a>
</li>
</ul>
</div>
</nav>
</li>
```

```
<li data-children="true">
<a href="/about-us/careers" aria-haspopup="true" aria-controls="menu3Sub3"
data-index="3">
Careers

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Careers</div>
<ul id="menu3Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/careers/working-here" data-index="0">
Working at the Met Office

</a>
</li>
<li>
<a href="/about-us/careers/your-career" data-index="1">
Your career

</a>
</li>
<li>
<a href="/about-us/careers/vacancies" data-index="2">
Vacancies

</a>
</li>
<li>
<a href="/about-us/careers/rewards-and-benefits" data-index="3">
Rewards and benefits

</a>
</li>
<li>
<a href="/about-us/careers/equality-diversity-and-inclusion" data-index="4">
Equality, diversity and inclusion

</a>
</li>
</li>
```

```
<a class="last" href="/about-us/careers/apprentices-graduates-and-placements"
data-index="5">
Apprentices, graduates and placements

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/contact" aria-haspopup="true" aria-controls="menu3Sub4"
data-index="4">
Contact us

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Contact us</div>
<ul id="menu3Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/contact" data-index="0">
Contact details

</a>
</li>
<li>
<a href="/forms/website-feedback" data-index="1">
Feedback form

</a>
</li>
<li>
<a class="last" href="/about-us/contact/in-exeter" data-index="2">
How to find us

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
```



```

</div>
</nav>
<hr class="main-menu-divider col-xs-12 hide-lg">
<div id="nav-control" class="nav-control col-xs-12 col-lg-1 col-lg-offset-0">
<div id="nav-control-buttons" class="nav-control-buttons">
<div>
<button id="settings-button" data-settings-control="true" class="hide-xs show-
lg no-js-hide"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span><span
class="icon-label">Settings</span>
</button>
</div>
<div role="search">
<a role="button" id="search-button" href="/search">
<span class="icon" role="img" data-type="global" data-value="search"
title="Expand search"></span>
</a>
</div>
</div>
</div>
<div id="affiliate-links" class="affiliate-links hide-lg"></div>
</div>
</div>
<div class="print-header" aria-hidden="true">

</div>
</header>
<main id="content">
<div class="advert-container">

</div>
<div class="hero">

</div>
<div class="wrap-3-col">

```

```
<div class="wrap-3-left">
<div class="advert-container">
<div class="draggable-advert skyLeft" id="skyLeft" style="display:
none;"></div>
</div>
</div>
<div class="wrap-3-mid">
<div class="content-container">
<article class="has-edit-button content">
<div class="article-content">
<h1 class="article-heading">
Sponsorship opportunities
</h1>
<div class="share-line"><hr></div>
<div class="row content-top">
<div class="col">
<p class="learn-article-tagline" data-swiftype-name="tagline" data-swiftype-
type="text">We are offering a number of sponsorship opportunities across some
of our digital content hubs to match your campaign goals.</p>
<div data-swiftype-name="body" data-swiftype-type="text">
<div class="article-body"><p><a
href="/about-us/supplying-the-met-office/advertising/mountain-and-national-
parks">Mountain Forecasts</a></p>
<ul>
<li>If you are looking to target audiences interested in outdoor activities,
sponsor our mountain&nbsp;forecasts.</li>
</ul>
<p><a
href="/about-us/supplying-the-met-office/advertising/marine">Marine</a></p>
<ul>
<li>
<p>Target your campaigns to sailors or boat owners by sponsoring our most
iconic forecast - the shipping forecast.</p>
</li>
</ul>
<p><a href="/about-us/supplying-the-met-office/advertising/holiday-
weather">Holiday weather</a></p>
<ul>
<li>Offering over 100 destinations in Europe, the Americas, Africa, Asia and
Australasia and providing information on where is hot and when</li>
</ul>
<p><a href="/about-us/supplying-the-met-office/advertising/pollen-
forecasts">Pollen forecasts</a></p>
<ul>
<li>If you are looking to target audiences affected by pollen, our pages receive
60% of all pollen related search traffic.</li>
</ul>
<p><a href="/about-us/supplying-the-met-office/advertising/advice">Advice</
a></p>
<ul>
<li>Target your campaign to fit the useful and relevant seasonal content
provided across our advice pages.</li>
</ul>
```

<p>For more information, download our media pack or email advertising@metoffice.gov.uk.</p></div>
<div class="article-body"></div>
</div>
</div>
<div class="mpu-col">
<div class="advert-container">
<div class="draggable-advert mpu" id="mpu" data-google-query-id="CNmF0vvHp_kCFWhGHQkdtwkMdQ" style="height: auto !important; max-height: none !important; padding-left: 0px !important; margin-left: -16px !important; margin-right: 0px !important;">ADVERTISEMENT<div id="google_ads_iframe_/6002/about-us/supplying-the-met-office/advertising/sponsorship-opportunities_1__container__" style="border: 0pt none; max-height: none !important; max-width: 390px !important; padding: 0px !important; width: 390px !important; height: auto !important;"><iframe id="google_ads_iframe_/6002/about-us/supplying-the-met-office/advertising/sponsorship-opportunities_1" name="google_ads_iframe_/6002/about-us/supplying-the-met-office/advertising/sponsorship-opportunities_1" title="3rd party ad content" width="390" height="325" scrolling="no" marginwidth="0" marginheight="0" frameborder="0" role="region" aria-label="Advertisement" tabindex="-1" sandbox="allow-forms allow-popups allow-popups-to-escape-sandbox allow-same-origin allow-scripts allow-top-navigation-by-user-activation" data-load-complete="true" data-google-container-id="2" class="ad-iframe" style="border: 0px; vertical-align: bottom;"></iframe></div></div>
</div>
</div>
</div>
</div>
</article>
<script defer="" src="/webfiles/1658483350597/js/components/stacked-preview-blocks.js"></script>
<div class="related-content no-print">
<div class="row article-content">
<div class="col-xs-12">
<h2 class="related-heading" id="yaml-heading">You might also like</h2>
</div>
</div>
<section class="learn-articles-block ymal-preview-block no-print" aria-labelledby="yaml-heading">
<ul class="items">
<li class="preview-block-component ymal" data-pb-position="0">

<div class="image-parent">

</div>

```
<div class="title" data-original-text="Advice">Advice</div>
<div class="tagline" data-original-text="Target your campaign to fit the useful
and relevant seasonal content provided across our advice pages.">Target your
campaign to fit the useful and relevant seasonal content provided across our...
</div>
<div class="read-more-text">
<span>Read more</span><span class="icon" data-type="chevron-right-
black"></span>
</div>
</a>
</li>
<li class="preview-block-component ymal" data-pb-position="0">
<a href="/weather/learn-about/space-weather/what-is-space-weather"
class="item-ymal">
<div class="image-parent">

</div>
<div class="title" data-original-text="What is space weather?">What is space
weather?</div>
<div class="tagline" data-original-text="All you need to know about space
weather and its impacts.">All you need to know about space weather and its
impacts.</div>
<div class="read-more-text">
<span>Read more</span><span class="icon" data-type="chevron-right-
black"></span>
</div>
</a>
</li>
<li class="preview-block-component ymal" data-pb-position="0">
<a href="/services/government/environmental-hazard-resilience/firemet"
class="item-ymal">
<div class="image-parent">

</div>
<div class="title" data-original-text="FireMet">FireMet</div>
<div class="tagline" data-original-text="FireMet is a weather system designed to
provide fire and rescue service (FRS) responders with the latest weather
information to help them identify a safe approach when dealing with a major
incident.">FireMet is a weather system designed to provide fire and rescue
service (FRS)...</div>
<div class="read-more-text">
<span>Read more</span><span class="icon" data-type="chevron-right-
black"></span>
</div>
</a>
</li>
</ul>
</section>
</div>
</div>
```

```

<div class="advert-container">
<div class="draggable-advert ad-bottom" id="ad-bottom" data-google-query-
id="CNiF0vvHp_kCFWhGHQkdtwkMdQ" style="height: auto !important; max-
height: none !important; padding-left: 0px !important; margin-left: 0px !
important;"><span class="advert-span">ADVERTISEMENT</span><div
id="google_ads_iframe_/6002/about-us/supplying-the-met-office/advertising/
sponsorship-opportunities_0__container__" style="border: 0pt none; max-height:
none !important; max-width: 384px !important; padding: 0px !important; width:
384px !important; height: auto !important;"><iframe
id="google_ads_iframe_/6002/about-us/supplying-the-met-office/advertising/
sponsorship-opportunities_0"
name="google_ads_iframe_/6002/about-us/supplying-the-met-office/advertising/
sponsorship-opportunities_0" title="3rd party ad content" width="384"
height="60" scrolling="no" marginwidth="0" marginheight="0"
frameborder="0" role="region" aria-label="Advertisement" tabindex="-1"
sandbox="allow-forms allow-popups allow-popups-to-escape-sandbox allow-
same-origin allow-scripts allow-top-navigation-by-user-activation" data-load-
complete="true" data-google-container-id="1" class="ad-iframe" style="border:
0px; vertical-align: bottom;"></iframe></div></div>
</div>
<div>
<div>
</div>
<div>
</div>
</div>
</div>
</div>
<div class="wrap-3-right">
<div class="advert-container">
<div class="draggable-advert skyRight" id="skyRight" style="display:
none;"></div>
</div>
</div>
</div>
</div>
</div>
</main>
<div class="content-container" role="complementary" aria-label="feedback
banner">
<section class="feedback-banner-component">
<h2 class="feedback-banner-header">Help us improve our website</h2>
<a href="/feedback">Take our short survey</a>
</section></div>
<footer role="contentinfo" aria-label="footer">
<div class="upper">
<div class="content-container row">
<div class="col-xs-12 col-lg-2">

</div>
<div class="link-column col-xs-12 col-lg-10">
<div class="row">
<div class="left col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-1">
<li>

```

```
<a href="https://college.metoffice.gov.uk/">Met Office College</a>
</li>
<li>
<a href="https://library.metoffice.gov.uk/portal">National Meteorological Library
& Archive</a>
</li>
<li>
<a href="https://wow.metoffice.gov.uk">Weather Observations Website
(WOW)</a>
</li>
</ul>
</div>
</div>
<div class="right col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-2">
<li>
<a href="/about-us/website/accessibility">Accessibility</a>
</li>
<li>
<a href="/about-us/legal/privacy">Privacy policy</a>
</li>
<li>
<a href="/about-us/legal/cookies">Cookie policy</a>
</li>
<li>
<a href="/about-us/legal">Legal</a>
</li>
<li>
<a href="/about-us/guide-to-emails">Email updates</a>
</li>
<li>
<a href="/weather/guides/rss">RSS</a>
</li>
</ul>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="lower">
<div class="content-container row">
<div class="app-badges col-sm-6 col-xs-12">
<a class="google-play" href="https://play.google.com/store/apps/details?
id=uk.gov.metoffice.weather.android&referrer=utm_source%3DMet
%2520Office%2520Desktop%2520site%2520apps%2520page">

</a>
<a class="app-store"
href="https://apps.apple.com/app/apple-store/id1068146838">

```

```
</a>
</div>
<div class="follow-icons col-sm-6 col-xs-12 last-sm">
<ul class="horizontal-list">
<li><a href="https://www.facebook.com/metoffice" title="Follow us on
Facebook"><span class="icon" data-type="follow-light" data-
value="facebook"></span></a></li>
<li><a href="https://twitter.com/metoffice" title="Follow us on Twitter"><span
class="icon" data-type="follow-light" data-value="twitter"></span></a></li>
<li><a href="https://www.youtube.com/user/TheMetOffice" title="Follow us on
YouTube"><span class="icon" data-type="follow-light" data-
value="youtube"></span></a></li>
<li><a href="https://www.instagram.com/metoffice/" title="Follow us on
Instagram"><span class="icon" data-type="follow-light" data-
value="instagram"></span></a></li>
<li><a href="https://www.snapchat.com/add/metoffice" title="Follow us on
Snapchat"><span class="icon" data-type="follow-light" data-
value="snapchat"></span></a></li>
<li><a href="https://www.linkedin.com/company/met-office/" title="Follow us on
LinkedIn"><span class="icon" data-type="follow-light" data-
value="linkedin"></span></a></li>
</ul>
</div>
</div>
<div class="content-container row">
<div class="copyright col-xs-12">
<small><a href="/about-us/legal#licences">© Crown Copyright</a></small>
</div>
</div>
</div>
<div class="print-footer">

<p>© Crown Copyright</p>
</div>
</footer>
<div id="settings-container"
data-scripts="/webfiles/1658483350597/js/minified/dialog.min.js
/webfiles/1658483350597/js/minified/edit-preferences.min.js"
data-styles="/webfiles/1658483350597/css/compiled/components/dialog.css"></
div>
<script src="/webfiles/1658483350597/js/minified/global.min.js"></script>
<script type="application/ld+json">
//<![CDATA[
{
"@context": "http://schema.org",
"@type": "Article",
"mainEntityOfPage": {
"@type": "WebPage",
"@id":
"https://www.metoffice.gov.uk/about-us/supplying-the-met-office/advertising/
sponsorship-opportunities"
},
"author": {
```

```

"@type": "Organization",
"name": "Met Office"
},
"publisher": {
"@type": "Organization",
"name": "Met Office",
"logo": {
"@type": "ImageObject",
"url": "https://www.metoffice.gov.uk/static/images/logo/default_card_315.jpg"
}
},
"headline": "Sponsorship opportunities",
"image":
"https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/advertising/playing-chess.jpg/playing-chess.jpg/metofficegovuk%3AheroXXLarge",
"datePublished": "2017-10-30T14:44:00+01:00",
"dateModified": "2017-10-30T14:44:00+01:00",
"description": "We are offering a number of sponsorship opportunities across some of our digital content hubs to match your campaign goals.",
"url":
"https://www.metoffice.gov.uk/about-us/supplying-the-met-office/advertising/sponsorship-opportunities"
}
//]]>
</script>
<script>window['gtag_enable_tcf_support'] = true;</script>
<script type="text/javascript">
```



```
ontrol([ {ids:
["207010"],percentageOfUsers:50,timeoutDays:14} ]),window.metoffice.getSiteC
ontrol([ {ids:["207076"],percentageOfUsers:50,timeoutDays:14} ]));</script>
<script type="text/javascript" id=""
src="//l.getsitecontrol.com/v7nkzx97.js"></script><iframe
src="https://www.google.com/recaptcha/api2/iframe" width="0" height="0"
style="display: none;"></iframe></body></html><html lang="en"><head>
<link rel="preconnect" href="https://cc.cdn.civiccomputing.com"
crossorigin="anonymous">
<link rel="preload" href="/webfiles/1658483350597/js/common/set-body-
class.js" as="script">
<link rel="preload" href="/webfiles/1658483350597/js/common/run-ab-test.js"
as="script">
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=Edge">
<meta name="robots" content="max-image-preview:large">
<meta name="viewport" content="initial-scale=1.0, width=device-width,
viewport-fit=cover">
<meta name="eGMS.accessibility" content="A">
<meta name="eGMS.subject.category" content="Climate and weather">
<meta name="twitter:site" content="@metoffice">
<meta name="twitter:card" content="summary">
<meta property="fb:app_id" content="208580322593329">
<meta property="og:site_name" content="Met Office">
<meta property="og:type" content="website">
<meta property="og:url"
content="https://www.metoffice.gov.uk/about-us/supplying-the-met-office/
procurement">
<link rel="icon" href="/favicon.png">
<link rel="icon" href="/favicon-dark.png" media="(prefers-color-scheme:dark)">
<link rel="manifest" href="/manifest.json">
<meta name="theme-color" content="#2a2a2a">
<meta property="og:image"
content="https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/
hero-images/advice/corporate/shipping-cargo-to-harbor-by-crane.jpg">
<meta property="og:image:width" content="1920">
<meta property="og:image:height" content="960">
<meta name="google-site-verification"
content="LR7Q3483mkrmLcJJZpzIbl48mNnTbBDVzjA3GqT3Q2M">
<meta name="google-translate-customization" content="f8c19e614cd5ee7e-
37428b41ac444aca-gd1bc91f73b6940ae-14">
<link rel="canonical" href="https://www.metoffice.gov.uk/about-us/supplying-
the-met-office/procurement">
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/base.css"
type="text/css">
<script type="text/javascript" async=""
src="https://www.googleadservices.com/pagead/conversion_async.js"></
script><script type="text/javascript" async="" src="https://www.google-
analytics.com/analytics.js"></script><script type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
2MWC7FCEB2&amp;l=dataLayer&amp;cx=c"></script><script
type="text/javascript" async=""
src="https://www.googletagmanager.com/gtag/js?id=G-
K77XZ36FRH&amp;l=dataLayer&amp;cx=c"></script><script gtm="GTM-
```

```
NG48PDS" type="text/javascript" async="" src="https://www.google-
analytics.com/gtm/optimize.js?id=GTM-WFR2SRH"></script><script async=""
src="https://www.googletagmanager.com/gtm.js?id=GTM-NG48PDS"></script>
<script src="/public/adhoc/mo-adhoc.js" defer=""></script>
<script src="/public/gdpr-consent/cookieControl-config.js"
defer="defer"></script>
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/breadcrumb.css"
type="text/css">
<link rel="stylesheet"
href="/webfiles/1658483350597/css/compiled/components/feedback-banner.css"
type="text/css">
<title>Procurement - Met Office</title>
<meta property="og:title" content="Procurement">
<meta name="title" data-type="string" class="swifttype"
content="Procurement">
<meta name="description" content="How the Met Office operates — procuring
goods, services and works">
<meta property="og:description" content="How the Met Office operates —
procuring goods, services and works">
<script type="text/javascript"
src="https://securepubads.g.doubleclick.net/tag/js/gpt.js"></script>
<script src="/webfiles/1658483350597/js/minified/advertising.min.js"></script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("ad-bottom", "ad-
bottom", false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice = window.metoffice || {};
window.metoffice.advertising = window.metoffice.advertising || {};
window.metoffice.advertising.addTargeting("env", "beta");
window.metoffice.advertising.addTargeting("warnings", "false");
//]]>
</script>
<script defer="defer" src="/webfiles/1658483350597/js/preview-block/lazy-load-
preview-block.js"></script>
<style>
/*<![CDATA[*]
.preview-block-image-6bfef09c-4e7b-4122-9e0c-303d3475900c {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
programming--coding.jpg/programming--coding.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-6bfef09c-4e7b-4122-9e0c-303d3475900c {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
programming--coding.jpg/programming--coding.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
```

```

}
@media only screen and (min-width: 960px) {
.preview-block-image-6bfef09c-4e7b-4122-9e0c-303d3475900c {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
programming--coding.jpg/programming--coding.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-6bfef09c-4e7b-4122-9e0c-303d3475900c {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
programming--coding.jpg/programming--coding.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-215dd8ca-a7fd-40ad-ae6a-f32b54e191ac {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/
woman-supermarket.jpg/woman-supermarket.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-215dd8ca-a7fd-40ad-ae6a-f32b54e191ac {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/
woman-supermarket.jpg/woman-supermarket.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-215dd8ca-a7fd-40ad-ae6a-f32b54e191ac {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/
woman-supermarket.jpg/woman-supermarket.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-215dd8ca-a7fd-40ad-ae6a-f32b54e191ac {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/
woman-supermarket.jpg/woman-supermarket.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>

```

```

/*<![CDATA[*]
.preview-block-image-4b15ae1b-ac92-4604-a90a-a0096fc3eba1 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/digital-
team-working-project.jpg/digital-team-working-project.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-4b15ae1b-ac92-4604-a90a-a0096fc3eba1 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/digital-
team-working-project.jpg/digital-team-working-project.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-4b15ae1b-ac92-4604-a90a-a0096fc3eba1 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/digital-
team-working-project.jpg/digital-team-working-project.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-4b15ae1b-ac92-4604-a90a-a0096fc3eba1 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/digital-
team-working-project.jpg/digital-team-working-project.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<style>
/*<![CDATA[*]
.preview-block-image-d6581b8c-1ef9-4efd-8043-e3f6da3601d8 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/five-
delivery-lorries.jpg/five-delivery-lorries.jpg/metofficegovuk
%3AcontentBlockXSmall');
}
@media only screen and (min-width: 768px) {
.preview-block-image-d6581b8c-1ef9-4efd-8043-e3f6da3601d8 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/five-
delivery-lorries.jpg/five-delivery-lorries.jpg/metofficegovuk
%3AcontentBlockLarge');
}
}
@media only screen and (min-width: 960px) {
.preview-block-image-d6581b8c-1ef9-4efd-8043-e3f6da3601d8 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/five-

```

```

delivery-lorries.jpg/five-delivery-lorries.jpg/metofficegovuk
%3AcontentBlockSmall');
}
}
@media only screen and (min-width: 1280px) {
.preview-block-image-d6581b8c-1ef9-4efd-8043-e3f6da3601d8 {
background-image:
url('/binaries/content/gallery/metofficegovuk/hero-images/advice/industry/five-
delivery-lorries.jpg/five-delivery-lorries.jpg/metofficegovuk
%3AcontentBlockMedium');
}
}
/*]]>*/
</style>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("mpuOnly","mpuOnly",false);
//]]>
</script>
<link imagesizes="100vw" as="image"
imagesrcset="/binaries/content/gallery/metofficegovuk/hero-images/advice/
corporate/shipping-cargo-to-harbor-by-crane.jpg/shipping-cargo-to-harbor-by-
crane.jpg/metofficegovuk%3AheroXXLarge 1920w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/shipping-
cargo-to-harbor-by-crane.jpg/shipping-cargo-to-harbor-by-crane.jpg/
metofficegovuk%3AheroXLarge 1600w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/shipping-
cargo-to-harbor-by-crane.jpg/shipping-cargo-to-harbor-by-crane.jpg/
metofficegovuk%3AheroLarge 1366w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/shipping-
cargo-to-harbor-by-crane.jpg/shipping-cargo-to-harbor-by-crane.jpg/
metofficegovuk%3AheroMedium 1024w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/shipping-
cargo-to-harbor-by-crane.jpg/shipping-cargo-to-harbor-by-crane.jpg/
metofficegovuk%3AheroSmall 768w,
/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/shipping-
cargo-to-harbor-by-crane.jpg/shipping-cargo-to-harbor-by-crane.jpg/
metofficegovuk%3AheroXSmall 640w" rel="preload"
href="/binaries/content/gallery/metofficegovuk/hero-images/advice/corporate/
shipping-cargo-to-harbor-by-crane.jpg/shipping-cargo-to-harbor-by-crane.jpg/
metofficegovuk%3AheroMedium">
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyRight","skyRight",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.addSlotConfiguration("skyLeft","skyLeft",false);
//]]>
</script>
<script>
//<![CDATA[

```

```

window.metoffice.advertising.addSlotConfiguration("forecastLeader","forecastLe
ader",false);
//]]>
</script>
<script>
//<![CDATA[
window.metoffice.advertising.allocateLeaderAdspotSpace = (window.innerWidth
<= 1630 && window.innerWidth >= 975)?"130px":"0px"
//]]>
</script>
<link rel="stylesheet" href="/webfiles/1658483350597/css/compiled/article.css"
type="text/css">
<script>
dataLayer = [];
</script>
<script src="https://cc.cdn.civiccomputing.com/9/cookieControl-9.6.1.min.js"
integrity="sha384-aqvFY6jJZz7P1H3oZsg8o0LwTPPzfe8oAUERJ960teK4rPG+
+iAX5I5gyu0iEzf" crossorigin="anonymous"></script><style>.ccc-disable-
scroll{overflow-y:scroll;position:fixed}#ccc{font-family:Arial,sans-serif;font-
size:16px;line-height:1.4em;position:fixed;z-index:2147483647}#ccc-
icon{background:transparent;border:0;bottom:0;cursor:pointer;height:80px;padd-
ing:0;position:fixed;width:80px;z-index:20}#ccc-icon.ccc-icon--left{left:0}#ccc-
icon.ccc-icon--right{right:0}#ccc-icon.ccc-icon--dark{fill:#000025}#ccc-
icon.ccc-icon--dark #star path{fill:#fff}#ccc-icon.ccc-icon--light{fill:#555}#ccc-
icon.ccc-icon--light #star path{fill:#f4f4f4}#ccc-overlay{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:fade-in;animation-
name:fade-in;-webkit-backface-visibility:hidden;backface-
visibility:hidden;background:rgba(0,0,0,.4);bottom:0;left:0;opacity:1;perspective:
0;position:fixed;right:0;top:0;will-change:opacity;z-index:1}#ccc-
module{height:100%;position:fixed;width:100%;z-index:2}#ccc-module.ccc-
module--slideout{bottom:0;max-width:520px;top:0;width:90%}#ccc-module.ccc-
module--slideout.ccc-module--left{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-right;animation-name:slide-right;left:0}#ccc-
module.ccc-module--slideout.ccc-module--right{-webkit-animation-
duration:.4s;animation-duration:.4s;-webkit-animation-iteration-
count:1;animation-iteration-count:1;-webkit-animation-name:slide-left;animation-
name:slide-left;right:0}#ccc-content{box-sizing:border-
box;height:100%;overflow-
y:auto;padding:24px;position:absolute;width:100%}.ccc-content--
dark{fill:#fff;background-color:#313147;color:#fff}.ccc-content--
light{fill:#333;background-color:#f4f4f4;color:#333}#ccc-close{align-
items:center;background-
color:transparent;border:0;cursor:pointer;display:flex;padding:0!
important;position:absolute;right:16px;top:16px;z-index:10}#ccc-title,.ccc-
title{font-size:1.2em;font-weight:700;line-height:1.5em;margin:0;padding-
right:32px;text-align:left}#ccc #ccc-recommended-
settings{clear:both;float:none;margin-left:0}#ccc h2,#ccc h3{font-
weight:700;margin:0;padding-right:120px}#ccc h2,#ccc h3,#ccc p,.ccc-
intro{font-size:1em;line-height:1.5em;text-align:left}#ccc p,.ccc-intro{font-
weight:400;margin:1em 0}#ccc hr{border:0;height:1px;margin:24px
0;opacity:.25}#ccc .ccc-svg-element{display:inline-block;height:16px;margin-
left:8px;position:relative;top:6px;width:16px}#ccc .ccc-content--dark

```

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hr{background-color:#fff}#ccc .ccc-content--dark a,#ccc .ccc-content--dark
h1,#ccc .ccc-content--dark h2,#ccc .ccc-content--dark h3,#ccc .ccc-content--
dark p,#ccc .ccc-content--dark span{fill:#fff;color:#fff}#ccc .ccc-content--light
hr{background-color:#333}#ccc .ccc-content--light a,#ccc .ccc-content--light
h1,#ccc .ccc-content--light h2,#ccc .ccc-content--light h3,#ccc .ccc-content--
light p,#ccc .ccc-content--light span{fill:#333;color:#333}#ccc .optional-
cookie{position:relative}.checkbox-toggle{margin:0;position:absolute;right:0;top:-3px}#ccc .checkbox-toggle-
input{bottom:0;display:block;height:100%;left:0;margin:0;opacity:0;padding:0;po-
sition:absolute;right:0;top:0;width:100%;z-index:1}#ccc .checkbox-toggle--
checkbox{border:2px solid #fff;border-radius:4px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-
label{display:block;height:24px;width:24px}#ccc .checkbox-toggle--
checkbox .checkbox-toggle-off,#ccc .checkbox-toggle--checkbox .checkbox-toggle-
toggle-on{display:none}#ccc .checkbox-toggle--checkbox .checkbox-toggle-
toggle{border-
radius:4px;display:block;height:100%;position:relative;width:100%}#ccc .checkbox-
toggle--checkbox input:checked~.checkbox-toggle-toggle:after{border:solid
#fff;border-width:0 3px 3px
0;content:"";height:10px;left:9px;position:absolute;top:5px;transform:rotate(45d
eg);width:5px}#ccc .checkbox-toggle--slider{border:4px solid #fff;border-
radius:50px}#ccc .checkbox-toggle--slider .checkbox-toggle-
label{cursor:pointer;display:flex;margin:0;z-index:1}#ccc .checkbox-toggle--
slider .checkbox-toggle-off,#ccc .checkbox-toggle--slider .checkbox-toggle-
on{flex:1;flex-basis:50%;font-size:.75em;font-weight:700;min-
width:40px;padding:0 6px;text-align:center;white-space:nowrap;width:50%;z-
index:2}#ccc .checkbox-toggle--slider .checkbox-toggle-
off{opacity:.65}#ccc .checkbox-toggle--slider .checkbox-toggle-
toggle{background-color:#000;border-
radius:50px;cursor:pointer;display:block;height:100%;left:0;position:absolute;top
:0;transition:all .4s ease;width:50%;z-index:3}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{left:50%}#ccc .checkbox-toggle--
slider.checkbox-toggle--dark{background-color:#111125;border-
color:#111125}#ccc .checkbox-toggle--checkbox.checkbox-toggle--
dark{background-color:#111125;border-color:#fff}#ccc .checkbox-toggle--
dark .checkbox-toggle-toggle{background-color:#2f2f5f}#ccc .checkbox-toggle--
light{background-color:#555;border-color:#555}#ccc .checkbox-toggle--
light .checkbox-toggle-toggle{background-color:#000}#ccc .checkbox-toggle--
light .checkbox-toggle-on,#ccc .checkbox-toggle--slider.checkbox-toggle--
light .checkbox-toggle-off{color:#fff}#ccc .checkbox-toggle--slider
input:checked~.checkbox-toggle-toggle{background-color:#fff}#ccc .ccc-
alert{border-radius:8px;margin:24px 0;padding:16px}#ccc .ccc-alert-title{align-
items:center;display:flex;padding:0}#ccc .ccc-alert-icon{display:inline-
block;flex-shrink:0;height:30px;margin:0 8px 0 0;width:30px}#ccc .ccc-alert-
break{margin:12px 0}.third-party-cookie-link{align-
items:center;display:flex;margin:16px 0}.third-party-cookie-name{font-
size:1em;font-weight:700}.third-party-cookie-icon{display:inline-
block;height:16px;margin-left:16px;width:16px}#ccc .ccc-content--dark .ccc-
alert{fill:#fff;background:#111125;color:#fff}#ccc .ccc-content--dark .third-
party-cookie-link{background:#111125;color:#fff}#ccc .ccc-content--light .ccc-
alert,#ccc .ccc-content--light .third-party-cookie-link{background:#eaeaea}#ccc
.ccc-module--popup{-webkit-animation-duration:.4s;animation-duration:.4s;-
webkit-animation-iteration-count:1;animation-iteration-count:1;-webkit-
animation-name:slide-up;animation-name:slide-

```

```

up;bottom:0;left:0;opacity:1;right:0;top:0}#ccc .ccc-module--popup #ccc-
content{border-radius:12px;height:90%;left:50%;max-height:600px;max-
width:600px;top:50%;transform:translate(-50%,-50%);width:90%}#ccc .ccc-
notify-box-dismiss{display:none!important}@media (min-width:600px){#ccc
#ccc-notify.ccc-notify__box{-webkit-animation-duration:.8s;animation-
duration:.8s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:box-slide-up;animation-name:box-slide-up;border-
radius:12px;box-sizing:border-box;flex-direction:column;height:90%;justify-
content:space-around;left:50%;max-height:240px;max-
width:480px;opacity:1;padding:32px 64px;top:50%;transform:translate(-50%,-
50%);width:90%}#ccc .ccc-notify-box-dismiss{display:block!
important;position:absolute!important;right:16px!important;top:16px!
important}}#ccc #ccc-notify{-webkit-animation-duration:.4s;animation-
duration:.4s;-webkit-animation-iteration-count:1;animation-iteration-count:1;-
webkit-animation-name:slide-up;animation-name:slide-up;border-
radius:0;bottom:0;display:flex;flex-direction:column;height:auto;justify-
content:space-between;left:0;margin:0;min-
height:48px;opacity:1;overflow:hidden;padding:16px;position:fixed;right:0;z-
index:30}.ccc-notify-text h1{font-size:1em;font-weight:700;line-
height:1.5em;margin:0;padding-right:120px;text-align:left}#ccc #ccc-notify.ccc-
notify__top{-webkit-animation-duration:.4s;animation-duration:.4s;-webkit-
animation-iteration-count:1;animation-iteration-count:1;-webkit-animation-
name:slide-down;animation-name:slide-down;bottom:auto;top:0}#ccc #ccc-
notify h3{padding:0}#ccc #ccc-notify p{font-
size:.9em;margin:0;opacity:.8}#ccc .ccc-notify-buttons{margin-
top:16px;padding-right:24px;position:relative}#ccc .ccc-notify-
button{background:transparent;border:2px solid;border-
radius:4px;cursor:pointer;font-size:1em;font-weight:400;line-
height:1.5em;margin:4px 8px 16px 0;padding:8px 16px!important}#ccc #ccc-
notify-dismiss{background-
color:transparent;border:0;cursor:pointer;display:inline-
flex;height:24px;padding:0!important;position:absolute;right:0;top:-
4px;width:24px}@media (min-width:400px){#ccc #ccc-notify-
dismiss{position:relative;right:auto}#ccc .ccc-notify-buttons{padding-
right:0}}@media (min-width:1020px){#ccc #ccc-notify{align-items:center;flex-
direction:row}#ccc .ccc-notify-text{margin-right:16px}#ccc .ccc-notify-
buttons{flex-shrink:0;white-space:nowrap}}@media (min-width:1200px){#ccc
#ccc-notify{font-size:16px;padding:16px 100px;z-index:10}}#ccc .ccc-content--
dark #ccc-notify,#ccc .ccc-content--dark #ccc-notify span{fill:#fff;background-
color:#313147;color:#fff}#ccc .ccc-content--dark .ccc-notify-button,#ccc .ccc-
content--dark .ccc-notify-button span{border-color:#fff;color:#fff}#ccc .ccc-
content--dark .ccc-button-solid,#ccc .ccc-content--dark .ccc-button-solid
span{background:#fff;color:#111125;font-weight:700}.ccc-notify-link{border:0!
important;text-decoration:underline}#ccc .ccc-content--light #ccc-
notify,#ccc .ccc-content--light #ccc-notify
span{fill:#000;background:#f4f4f4;color:#000}#ccc .ccc-content--light .ccc-
notify-button,#ccc .ccc-content--light .ccc-notify-button span{border-
color:#000;color:#000}#ccc .ccc-content--light .ccc-button-solid,#ccc .ccc-
content--light .ccc-button-solid span{background:#000;color:#fff;font-
weight:700}.ccc-info-link{font-size:.8em;font-weight:700;text-
decoration:none}.ccc-info-link .svg-element{height:14px;margin-
left:6px;width:14px}#ccc .ccc-module--slideout .ccc-
info{height:100px}#ccc[popup] .ccc-info{height:40px}@media
print{#ccc{display:none!important}}#ccc-close-label{display:block;font-

```



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size:16px}#ccc .ccc-panel--indent #ccc-title{padding-right:180px}#ccc-
close.ccc-close--labelled{padding:8px!important;right:0;top:0}#ccc-content.ccc-
content--light #ccc-close.ccc-close--labelled{background-color:#eaeaea}#ccc-
content.ccc-content--dark #ccc-close.ccc-close--labelled{background-
color:#111125}#ccc-end{margin:16px 0 32px}#ccc-dismiss-
button{display:block}#ccc .ccc-content--highlight .ccc-link.ccc-
tabbable:focus{filter:invert(100%);padding:8px}#ccc .ccc-content--highlight.ccc-
content--light .ccc-link.ccc-tabbable:focus{background-color:#eaeaea!
important;border-color:#eaeaea!important}#ccc .ccc-content--highlight.ccc-
content--dark .ccc-link.ccc-tabbable:focus{background-color:#111125!
important;border-color:#111125!important}#ccc .ccc-content--highlight #ccc-
close:focus,#ccc .ccc-content--highlight .ccc-button-solid:focus,#ccc .ccc-
content--highlight .checkbox-toggle-input:focus~.checkbox-toggle-
toggle,#ccc .ccc-content--highlight .third-party-cookie-
link:focus{filter:invert(100%)}#ccc .ccc-content--highlight.ccc-content--
light .ccc-tabbable:focus{box-shadow:0 4px 8px 0 hsla(0,0%,100%,.2),0 6px
20px 0 hsla(0,0%,100%,.2)}#ccc .ccc-content--highlight.ccc-content--dark .ccc-
tabbable:focus{box-shadow:0 4px 8px 0 rgba(0,0,0,.2),0 6px 20px 0
rgba(0,0,0,.2)}#ccc .checkbox-toggle:focus-within{outline:auto}#ccc #ccc-
icon.ccc-icon--no-outline,#ccc .ccc-content--no-outline *,#ccc .ccc-content--no-
outline .ccc-tabbable{outline:none}#ccc .ccc-content--highlight .ccc-
tabbable:active,#ccc .ccc-content--highlight .ccc-tabbable: hover,#ccc .ccc-icon--
highlight:active,#ccc .ccc-icon--highlight: hover{box-shadow:none!
important;filter:none!important}.ccc-
panel{left:24px;position:absolute;right:24px;top:24px}.ccc-
panel.hidden{height:0;opacity:0;overflow:hidden}.ccc-
panel.visible{height:auto;opacity:1;transition:opacity .4s}#ccc .iab-
vendor,#ccc .optional-vendor{margin:0 0 8px}#ccc .optional-vendor{font-
size:.875em}#ccc .optional-vendor-heading{font-weight:700;padding-
left:24px;text-decoration:underline}#ccc .ccc-vendor-reveal{align-
items:center;background:transparent;border:1px dotted;display:flex;font-
size:.875em;opacity:.5;transition:opacity .4s}#ccc .ccc-vendor-reveal:focus,#ccc
.ccc-vendor-reveal: hover{opacity:1}#ccc .ccc-legal-description{margin-
top:1rem}#ccc .ccc-vendor-reveal svg{height:16px;margin-
left:8px;width:16px}#ccc .optional-vendor-warning{align-
items:center;display:flex}#ccc .optional-vendor-warning
svg{height:16px;margin-right:8px;width:16px}#ccc .optional-vendor-
content{padding-left:24px}#ccc .iab-vendor-heading{font-size:.875em;font-
weight:400;text-decoration:underline}#ccc .cmp-button-holder{display:flex;font-
size:.75em;justify-content:space-between}#ccc .cmp-
back{opacity:.5;transition:opacity .4s}#ccc .cmp-back: hover{opacity:1}.ccc-sr-
only{clip:rect(0,0,0,0);border:0;height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}@-webkit-keyframes
fade-in{0%{opacity:0}to{opacity:1}}@keyframes fade-in{0%
{opacity:0}to{opacity:1}}@-webkit-keyframes slide-right{0%
{transform:translate3d(-100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-right{0%{transform:translate3d(-
100%,0,0)}to{transform:translateZ(0)}}@-webkit-keyframes slide-left{0%
{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@keyframes
slide-left{0%{transform:translate3d(100%,0,0)}to{transform:translateZ(0)}}@-
webkit-keyframes slide-up{0%
{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@keyframes
slide-up{0%{transform:translate3d(0,100%,0)}to{transform:translateZ(0)}}@-
webkit-keyframes box-slide-up{0%{transform:translate3d(-
```

```

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<script src="/webfiles/1658483350597/js/common/set-body-class.js"></script>
<script src="/webfiles/1658483350597/js/common/run-ab-test.js"></script>
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advert forecastLeader" id="forecastLeader" style="display:
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</script>
<header id="header">
<div id="skiplink-container" tabindex="0">
<a href="#content" id="skiplink" class="skiplink">Skip to main content</a>
</div>
<div class="upper">
<div class="upper-container container row middle-xs">
<div class="logo col-xs-6 col-sm-8 col-lg-2">
<a href="/"></a>
</div>
<div class="col-xs-6 col-sm-4 hide-lg no-js-hide menu-button">
<button class="mobile-settings" data-settings-control="true"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span>
</button>
<button id="menu-button" aria-haspopup="true" aria-controls="lower-
container">Menu</button>
</div>
<nav aria-label="first level" class="top-menu has-edit-button col-lg-10 show-lg
hide-sm hide-xs">
<ul id="top-level-menu">
<li><a href="/weather" data-topmenu-id="0" aria-controls="menu0">Weather
&amp; climate</a></li>
<li><a href="/research" data-topmenu-id="1" aria-controls="menu1">Research
programmes</a></li>
<li><a href="/services" data-topmenu-id="2" aria-
controls="menu2">Services</a></li>
<li><a href="/about-us" data-topmenu-id="3" aria-controls="menu3" aria-
expanded="true">About us</a></li>
</ul>
</nav>
</div>
</div>
<div class="lower">
<div id="lower-container" class="lower-container container row middle-lg" data-
nav="false" data-second-nav="false" data-search="false">
<div class="logo-container">
<div class="logo col-xs-8 col-lg-2">
```

```

<a id="menu-open-logo" href="/"><span class="mo-logo">Met
Office</span></a>
</div>
<div class="menu-button col-xs-4 hide-lg no-js-hide">
<button id="close-menu-button" type="button" value="Close" aria-
controls="lower-container" aria-label="Close menu" title="Close menu">
<span class="icon" data-type="global" data-value="close" aria-
hidden="true"></span>
</button>
</div>
</div>
<form id="site-search-form" class="search-form col-xs-12" role="search"
action="/search" method="get">
<label for="site-search-input" class="off-screen no-js-hide">Search site</label>
<input id="site-search-input" type="search" class="col-sm-11"
placeholder="Search" name="query" autocomplete="off" required="">
<button type="submit" tabindex="-1" value="Search" title="Search" class="col-
sm-1 col-lg-offset-0">
<span class="icon" data-type="global" data-value="search">Search</span>
</button>
<button id="close-search-button" type="button" title="Close" value="Close"
class="no-js-hide">
<span class="icon" data-type="global" data-value="close">x</span>
</button>
</form> <div class="third-level-back col-xs-12 col-lg-12 col-lg-offset-0">
<span id="third-level-back" class="row middle-xs" role="button" tabindex="0"
aria-label="Back to second level menu">

<span>Back</span>
</span>
</div>
<nav aria-label="second level" id="secondary-nav" class="main-menu col-xs-12
col-sm-12 col-lg-11 col-lg-offset-0 no-js-show">
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="0" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-0" href="/weather">
<div>
<span class="menu-link-text">Weather & climate</span>
<div id="menu-desc-0" class="menu-desc hide-lg">
<span>Everything you need to know about the forecast, and making the most of
the weather.</span>
</div>
</div>

</a>
</div>
<ul id="menu0" data-submenu-id="0" data-toggle="false">
<li>
<a href="/" data-index="0">
Find a forecast

```

```

</a>
</li>
<li data-children="true">
<a href="/weather/warnings-and-advice" aria-haspopup="true" aria-
controls="menu0Sub1" data-index="1">
Warnings & advice

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Warnings & advice</div>
<ul id="menu0Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/warnings-and-advice/uk-warnings" data-index="0">
UK weather warnings

</a>
</li>
<li>
<a href="/weather/warnings-and-advice/uk-storm-centre/index" data-
index="1">
UK Storm Centre

</a>
</li>
<li>
<a class="last" href="/weather/warnings-and-advice/seasonal-advice" data-
index="2">
Seasonal advice

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" aria-
haspopup="true" aria-controls="menu0Sub2" data-index="2">
Maps & charts
```

```

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Maps & charts</div>
<ul id="menu0Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="https://www.metoffice.gov.uk/public/weather/forecast/map" data-
index="0">
UK weather map

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/weather/maps-and-charts/rainfall-radar-
forecast-map" data-index="1">
New map beta

</a>
</li>
<li>
<a href="https://www.metoffice.gov.uk/public/weather/observation/rainfall-
radar" data-index="2">
UK rainfall radar

</a>
</li>
<li>
<a href="/weather/forecast/uk" data-index="3">
UK forecast

</a>
</li>
<li>
<a href="/weather/maps-and-charts/surface-pressure" data-index="4">
Surface pressure charts

</a>
</li>
<li>
<a class="last" href="/weather/world/list" data-index="5">
```

All countries

</div>

</nav>

<li data-children="true">

<a href="/weather/climate" aria-haspopup="true" aria-controls="menu0Sub3"
data-index="3">

Climate

<nav aria-label="third level" class="third-level" data-toggle="false">

<div class="third-level-inner row">

<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate</div>

<ul id="menu0Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">

Climate explained

What is climate change?

Causes of climate change

Effects of climate change


```
</li>
<li>
<a href="/weather/climate-change/climate-change-questions" data-index="4">
Climate change questions

</a>
</li>
<li>
<a href="/weather/climate/uk-climate" data-index="5">
UK climate

</a>
</li>
<li>
<a href="/weather/climate/science" data-index="6">
Climate science

</a>
</li>
<li>
<a class="last" href="/weather/climate-change/organisations-and-reports" data-
index="7">
Organisations and reports

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/specialist-forecasts" aria-haspopup="true" aria-
controls="menu0Sub4" data-index="4">
Specialist forecasts

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Specialist forecasts</div>
<ul id="menu0Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/specialist-forecasts/coast-and-sea" data-index="0">
Coast and Sea
```

```

</a>
</li>
<li>
<a href="/weather/specialist-forecasts/mountain" data-index="1">
Mountain

</a>
</li>
<li>
<a class="last" href="/weather/specialist-forecasts/space-weather" data-
index="2">
Space Weather

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/weather/learn-about" aria-haspopup="true" aria-
controls="menu0Sub5" data-index="5">
Learn about...

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Learn about...</div>
<ul id="menu0Sub5" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/weather/learn-about/past-uk-weather-events" data-index="0">
Past UK weather events

</a>
</li>
<li>
<a href="/weather/learn-about/weather" data-index="1">
Weather

</a>
```

```
</li>
<li>
<a href="/weather/learn-about/how-forecasts-are-made" data-index="2">
How forecasts are made

</a>
</li>
<li>
<a class="last" href="/weather/learn-about/met-office-for-schools" data-
index="3">
Met Office for Schools

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="1" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-1" href="/research">
<div>
<span class="menu-link-text">Research programmes</span>
<div id="menu-desc-1" class="menu-desc hide-lg">
<span>The latest breakthroughs, research and news from the Met
Office.</span>
</div>
</div>

</a>
</div>
<ul id="menu1" data-submenu-id="1" data-toggle="false">
<li data-children="true">
<a href="/research/approach/index" aria-haspopup="true" aria-
controls="menu1Sub0" data-index="0">
Our approach

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Our approach</div>
<ul id="menu1Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
```

```
<li>
<a href="/research/approach/overview" data-index="0">
Overview by our Chief Scientist

</a>
</li>
<li>
<a href="/research/approach/how-met-office-science-is-reviewed" data-
index="1">
How Met Office science is reviewed

</a>
</li>
<li>
<a href="/research/approach/collaboration" data-index="2">
Collaboration

</a>
</li>
<li>
<a href="/research/approach/modelling-systems" data-index="3">
Modelling systems

</a>
</li>
<li>
<a href="/research/approach/monitoring" data-index="4">
Monitoring

</a>
</li>
<li>
<a class="last" href="/research/approach/our-scientists/people" data-
index="5">
Our scientists

</a>
</li>
</ul>
</div>
</nav>
</li>
```

```
<li data-children="true">
<a href="/research/weather" aria-haspopup="true" aria-controls="menu1Sub1"
data-index="1">
Weather science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Weather science</div>
<ul id="menu1Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/weather/atmospheric-dispersion" data-index="0">
Atmospheric dispersion and air quality

</a>
</li>
<li>
<a href="/research/weather/data-assimilation" data-index="1">
Data assimilation

</a>
</li>
<li>
<a href="/research/weather/ensemble-forecasting" data-index="2">
Ensemble forecasting

</a>
</li>
<li>
<a href="/research/weather/observations-research" data-index="3">
Observations research and development

</a>
</li>
<li>
<a href="/research/weather/ocean-forecasting" data-index="4">
Ocean forecasting

</a>
</li>
<li>
```

```
<a href="/research/weather/research-to-operations" data-index="5">
Research to operations

</a>
</li>
<li>
<a href="/research/weather/satellite-applications" data-index="6">
Satellite applications

</a>
</li>
<li>
<a href="/research/weather/verification-impacts-and-post-processing" data-
index="7">
Verification, impacts and post-processing

</a>
</li>
<li>
<a class="last" href="/research/weather/weather-science-it" data-index="8">
Weather science IT

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/climate" aria-haspopup="true" aria-controls="menu1Sub2"
data-index="2">
Climate science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Climate science</div>
<ul id="menu1Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/climate/cryosphere-oceans" data-index="0">
Climate, cryosphere and oceans
```

```

</a>
</li>
<li>
<a href="/research/climate/climate-impacts" data-index="1">
Climate impacts

</a>
</li>
<li>
<a href="/research/climate/climate-monitoring/index" data-index="2">
Climate monitoring and attribution

</a>
</li>
<li>
<a href="/research/climate/earth-system-science" data-index="3">
Earth system science

</a>
</li>
<li>
<a href="/research/climate/seasonal-to-decadal" data-index="4">
Monthly to decadal prediction

</a>
</li>
<li>
<a href="/research/climate/maps-and-data" data-index="5">
UK climate maps and data

</a>
</li>
<li>
<a class="last" href="/research/climate/understanding-climate" data-
index="6">
Understanding climate change

</a>
</li>
```

```
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/applied" aria-haspopup="true" aria-controls="menu1Sub3"
data-index="3">
Applied science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Applied science</div>
<ul id="menu1Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/applied/aviation" data-index="0">
Aviation applications

</a>
</li>
<li>
<a href="/research/applied/international" data-index="1">
Climate information for international development

</a>
</li>
<li>
<a href="/research/applied/climate-security" data-index="2">
Climate security

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="3">
Climate services

</a>
</li>
<li>
<a href="/research/applied/defence" data-index="4">
Defence applications
```



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</a>
</li>
<li>
<a href="/research/applied/post-processing" data-index="5">
Post-processing applications

</a>
</li>
<li>
<a href="/research/applied/science-for-impacts-resilience-and-adaptation" data-
index="6">
Science for Impacts, Resilience and Adaptation (SIRA)

</a>
</li>
<li>
<a class="last" href="/research/applied/science-health-strategy" data-
index="7">
Science health strategy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/research/foundation" aria-haspopup="true" aria-
controls="menu1Sub4" data-index="4">
Foundation science

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Foundation science</div>
<ul id="menu1Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/research/foundation/parametrizations" data-index="0">
Atmospheric processes and parametrizations

```

```
</a>
</li>
<li>
<a href="/research/foundation/dynamics" data-index="1">
Dynamic research

</a>
</li>
<li>
<a href="/research/foundation/global-modelling" data-index="2">
Global modelling

</a>
</li>
<li>
<a href="/research/foundation/informatics-lab/index" data-index="3">
Informatics Lab

</a>
</li>
<li>
<a href="/research/foundation/observational-studies" data-index="4">
Observation-based research

</a>
</li>
<li>
<a class="last" href="/research/foundation/regional-model-evaluation-and-
development/index" data-index="5">
Regional model evaluation and development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/research/library-and-archive" data-index="5">
Library

</a>
```

```
</li>
<li>
<a href="/research/news" data-index="6">
News

</a>
</li>
</ul>
</div>
<div class="menu-container">
<div role="heading" aria-level="1" data-menu-id="2" data-toggle="false"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-2" href="/services">
<div>
<span class="menu-link-text">Services</span>
<div id="menu-desc-2" class="menu-desc hide-lg">
<span>Support your business with world-leading science and
technology.</span>
</div>
</div>

</a>
</div>
<ul id="menu2" data-submenu-id="2" data-toggle="false">
<li data-children="true">
<a href="/services/government" aria-haspopup="true" aria-
controls="menu2Sub0" data-index="0">
Government

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Government</div>
<ul id="menu2Sub0" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/government/defence-and-security" data-index="0">
Defence and security

</a>
</li>
<li>
<a href="/services/government/devolved-administrations" data-index="1">
Devolved administrations
```

```

</a>
</li>
<li>
<a href="/services/government/environmental-hazard-resilience" data-
index="2">
Environmental Hazard and Resilience Services

</a>
</li>
<li>
<a class="last" href="/services/government/international-development" data-
index="3">
International development

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/transport" aria-haspopup="true" aria-controls="menu2Sub1"
data-index="1">
Transport

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Transport</div>
<ul id="menu2Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/transport/aviation/commercial" data-index="0">
Aviation commercial

</a>
</li>
<li>
<a href="/services/transport/aviation/regulated" data-index="1">
Aviation regulated

```

```
</a>
</li>
<li>
<a href="/services/transport/cav" data-index="2">
CAV

</a>
</li>
<li>
<a href="/services/transport/marine" data-index="3">
Marine

</a>
</li>
<li>
<a href="/services/transport/rail" data-index="4">
Rail

</a>
</li>
<li>
<a class="last" href="/services/transport/road" data-index="5">
Road

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/business-industry" aria-haspopup="true" aria-
controls="menu2Sub2" data-index="2">
Business & industry

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Business & industry</div>
<ul id="menu2Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/business-industry/agriculture" data-index="0">
Agriculture
```

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</a>
</li>
<li>
<a href="/services/business-industry/construction" data-index="1">
Construction

</a>
</li>
<li>
<a href="/services/business-industry/energy" data-index="2">
Energy

</a>
</li>
<li>
<a href="/services/business-industry/event-management" data-index="3">
Event management

</a>
</li>
<li>
<a href="/services/business-industry/legal-insurance" data-index="4">
Legal and insurance

</a>
</li>
<li>
<a href="/services/business-industry/media" data-index="5">
Media

</a>
</li>
<li>
<a href="/services/business-industry/mining" data-index="6">
Mining

</a>
</li>
<li>
```

```
<a href="/services/business-industry/retail" data-index="7">
Retail

</a>
</li>
<li>
<a class="last" href="/services/business-industry/water" data-index="8">
Water

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/data" aria-haspopup="true" aria-controls="menu2Sub3"
data-index="3">
Data

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Data</div>
<ul id="menu2Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a class="last" href="/services/data" data-index="0">
Weather and climate data

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/services/research-consulting" aria-haspopup="true" aria-
controls="menu2Sub4" data-index="4">
Research & consulting

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
```

```
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Research & consulting</div>
<ul id="menu2Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/services/research-consulting/access-a-meteorologist" data-
index="0">
Access a meteorologist

</a>
</li>
<li>
<a href="/services/research-consulting/climate-service" data-index="1">
Climate service

</a>
</li>
<li>
<a href="/services/research-consulting/international-programmes" data-
index="2">
International programmes

</a>
</li>
<li>
<a class="last" href="/services/research-consulting/weather-climate-
consultancy" data-index="3">
Weather and climate consultancy

</a>
</li>
</ul>
</div>
</nav>
</li>
<li>
<a href="/services/insights" data-index="5">
Insights

</a>
</li>
</ul>
</div>
<div class="menu-container">
```



```

<div role="heading" aria-level="1" data-menu-id="3" data-toggle="true"
class="menu-header hide-lg">
<a aria-describedby="menu-desc-3" href="/about-us" class="selected">
<div>
<span class="menu-link-text">About us</span>
<div id="menu-desc-3" class="menu-desc hide-lg">
<span>Who we are, what we do and organisational news.</span>
</div>
</div>

</a>
</div>
<ul id="menu3" data-submenu-id="3" data-toggle="true">
<li>
<a href="/about-us/who" data-index="0">
Who we are

</a>
</li>
<li data-children="true" class="selected">
<a href="/about-us/supplying-the-met-office" aria-haspopup="true" aria-
controls="menu3Sub1" data-index="1">
Supplying the Met Office

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Supplying the Met Office</div>
<ul id="menu3Sub1" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/supplying-the-met-office/advertising/sponsorship-
opportunities" data-index="0">
Advertising

</a>
</li>
<li class="selected">
<a class="last" href="/about-us/supplying-the-met-office/procurement" data-
index="1">
Procurement

</a>
</li>

```

```
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/press-office" aria-haspopup="true" aria-
controls="menu3Sub2" data-index="2">
Press Office

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Press Office</div>
<ul id="menu3Sub2" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/press-office/news/weather-and-climate" data-index="0">
Weather and climate news

</a>
</li>
<li>
<a href="/about-us/press-office/news/corporate" data-index="1">
Corporate news

</a>
</li>
<li>
<a href="https://blog.metoffice.gov.uk/" data-index="2">
News blog

</a>
</li>
<li>
<a href="/about-us/press-office/media-resources/podcasts" data-index="3">
Podcasts

</a>
</li>
<li>
<a class="last" href="/about-us/press-office/contact-press-office" data-
index="4">
Contact the Press Office
```

```

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/careers" aria-haspopup="true" aria-controls="menu3Sub3"
data-index="3">
Careers

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Careers</div>
<ul id="menu3Sub3" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/careers/working-here" data-index="0">
Working at the Met Office

</a>
</li>
<li>
<a href="/about-us/careers/your-career" data-index="1">
Your career

</a>
</li>
<li>
<a href="/about-us/careers/vacancies" data-index="2">
Vacancies

</a>
</li>
<li>
<a href="/about-us/careers/rewards-and-benefits" data-index="3">
Rewards and benefits

</a>
</li>
```

```
<li>
<a href="/about-us/careers/equality-diversity-and-inclusion" data-index="4">
Equality, diversity and inclusion

</a>
</li>
<li>
<a class="last" href="/about-us/careers/apprentices-graduates-and-placements"
data-index="5">
Apprentices, graduates and placements

</a>
</li>
</ul>
</div>
</nav>
</li>
<li data-children="true">
<a href="/about-us/contact" aria-haspopup="true" aria-controls="menu3Sub4"
data-index="4">
Contact us

</a>
<nav aria-label="third level" class="third-level" data-toggle="false">
<div class="third-level-inner row">
<div role="heading" aria-level="2" class="third-level-header col-xs-12 col-lg-2
col-lg-offset-1">Contact us</div>
<ul id="menu3Sub4" class="col-xs-12 col-lg-8 col-lg-offset-0">
<li>
<a href="/about-us/contact" data-index="0">
Contact details

</a>
</li>
<li>
<a href="/forms/website-feedback" data-index="1">
Feedback form

</a>
</li>
<li>
<a class="last" href="/about-us/contact/in-exeter" data-index="2">
How to find us
```

```

</a>
</li>
</ul>
</div>
</nav>
</li>
</ul>
</div>
</nav>
<hr class="main-menu-divider col-xs-12 hide-lg">
<div id="nav-control" class="nav-control col-xs-12 col-lg-1 col-lg-offset-0">
<div id="nav-control-buttons" class="nav-control-buttons">
<div>
<button id="settings-button" data-settings-control="true" class="hide-xs show-
lg no-js-hide"
onclick="window.metoffice.base.delayEditPreferences('dlgSettings', this)"
title="Settings">
<span class="icon" data-type="global" data-value="settings"></span><span
class="icon-label">Settings</span>
</button>
</div>
<div role="search">
<a role="button" id="search-button" href="/search">
<span class="icon" role="img" data-type="global" data-value="search"
title="Expand search"></span>
</a>
</div>
</div>
</div>
<div id="affiliate-links" class="affiliate-links hide-lg"></div>
</div>
</div>
<div class="print-header" aria-hidden="true">

</div>
</header>
<main id="content">
<div class="advert-container">

</div>
<div class="hero">
  
</div>  
<div class="wrap-3-col">  
<div class="wrap-3-left">  
<div class="advert-container">  
<div class="draggable-advert skyLeft" id="skyLeft" style="display:none;"></div>  
</div>  
</div>  
<div class="wrap-3-mid">  
<div class="content-container">  
<article class="has-edit-button content">  
<div class="article-content">  
<h1 class="article-heading">  
Procurement  
</h1>  
<div class="share-line"><hr></div>  
<div class="row content-top">  
<div class="col">  
<p class="learn-article-tagline" data-swiftype-name="tagline" data-swiftype-type="text">How the Met Office operates — procuring goods, services and works</p>  
<div data-swiftype-name="body" data-swiftype-type="text">  
<div class="article-body"><h2>An important message for existing and potential suppliers to the Met Office</h2>  
<h2>FRAUDULENT EMAILS AND PURCHASE ORDERS</h2>  
<p>We want to alert you to a fraud scam that is targeting existing and potential suppliers of equipment to the Met Office, as well as other businesses, nationally and globally. Please take the necessary precautions so that you are not a victim of this scam.</p>  
<p>The scam operates in the following way:</p>  
<ol>  
<li>A supplier will receive an email or phone call requesting a quotation for specific item/s of equipment. These may be in large or small quantities and of low to high values</li>  
<li>Once the quotation has been provided, a purchase order is emailed to the supplier that bears resemblance to an authentic Met Office purchase order</li>  
<li>The purchase order typically instructs delivery to an address that may or may not be affiliated with the Met Office</li>  
<li>After shipping the item/s of equipment, the supplier never receives payment and is unable to retrieve the shipped products&nbsp;</li>  
</ol>

### Identifying fraudulent emails and purchase orders

The following will be evident in these fraudulent emails and purchase orders:

<ol>

<li>An incorrect domain name will be used to send emails and purchase orders. Ensure you verify the order is valid with the Met Office. We advise all suppliers to consult with their IT or cyber security advisors to ensure they remain vigilant and informed on how to identify a suspicious communication.</li>

<li>The delivery address may or may not be a Met Office address.</li>

<li>The email will often be poorly written with grammatical, spelling or language usage errors.</li>

<li>Use of a false or unknown contact from the Met Office may be used. If requests for quotations or purchase orders are received from a new Met Office contact that raises your suspicion, please contact a member of the Commercial and Procurement Team to verify the validity of the request. Do not contact the name/number used on the email/purchase order.</li>

<li>Phone numbers (particularly mobile numbers) not associated with the Met Office may be used. Typically a mobile number may be a "personal number" starting with "070". The Met Office will never use a mobile number as a first contact number for a purchase.</li>

<li>The order can be for a variety of products and may be for products not normally purchased by the Met Office.</li>

<li>Various quantities may be requested but many will be for large orders.</li>

<li>Orders may request to ship priority or overnight.</li>

</ol>

<p>If you are ever unsure about a quotation request sent by email, or the subsequent purchase order, please contact the Met Office Commercial and Procurement Team as follows:<a

href="mailto:procurement.enquiries@metoffice.gov.uk?subject=Suppliers%20relief%20COVID-19">procurement.enquiries@metoffice.gov.uk</a>.</p>

<p>Please do not attempt to call any phone numbers contained within the fraudulent emails that purport to be Met Office numbers as they may attract a service charge.</p>

### Advice for suppliers

<p>In addition to the above information, suppliers should note the following:</p>

<ol>

<li>If you are ever unsure about a quotation request sent by email, or the subsequent purchase order, please contact our Commercial and Procurement Team or a known Met Office contact</li>

<li>Please do not attempt to call any phone numbers contained within the fraudulent emails that purport to be Met Office numbers as they may attract a large, international service charge</li>

<li>Consult with your IT or cyber security advisors to ensure all are informed on how to identify a suspicious communication</li>

<li>Report the incident on<a rel="noopener noreferrer" href="https://www.actionfraud.police.uk/" target="\_blank">Action Fraud (opens in new window)</a>, the UK's national reporting centre for fraud and cybercrime in England, Wales and Northern Ireland.<br>You can report fraud or cybercrime using their<a rel="noopener noreferrer" href="https://www.actionfraud.police.uk/report\_fraud" target="\_blank">online reporting service (opens in new window)</a> at any time; the service enables suppliers to both report a fraud and find help and support. You can also

get help by calling [0300 123 2040](tel:0300 123 2040) to speak to their fraud and internet crime specialists. When you report to Action Fraud you will receive a police crime reference number. Reports taken are passed to the [National Fraud Intelligence Bureau](https://www.cityoflondon.police.uk/advice-and-support/fraud-and-economic-crime/nfib/Pages/default.aspx) (opens in new window). Action Fraud does not investigate cases and cannot advise you on the progress of a case.

### What we are doing

The Met Office is reporting all instances of known fraudulent activity to the [Police via Action Fraud](https://www.actionfraud.police.uk/report-a-fraud-including-online-crime) (opens in new window).

We are compiling evidence for all reported incidents. If you have received any suspicious emails we would also be very grateful if you forward to [procurement.enquiries@metoffice.gov.uk](mailto:procurement.enquiries@metoffice.gov.uk). so these can be added to the evidence file.

We are contacting existing suppliers that may be subject to this type of fraudulent activity in order to raise awareness and provide basic guidance on how to deal with it.

Keeping relevant Met Office staff members aware of all activities and updates to this situation.

## Met Office Tendering Portal

The Met Office buys a wide range of products and services. To view details of our current procurement activity use the links below to our eTendering Opportunities Portal:

<https://procontract.due-north.com/> Met Office Tendering Portal

For an introduction to the procurement process within Government and help to identify new business opportunities, please access [Doing Business With Government: guide for SMEs](https://www.gov.uk/guidance/doing-business-with-government-a-guide-for-smes) (Small & Medium Enterprises) <https://www.gov.uk/guidance/doing-business-with-government-a-guide-for-smes>.

## Featured



```
<a href="/about-us/supplying-the-met-office/procurement/transparency"
class="item">
<div class="image lazy" data-class="preview-block-image-6bfef09c-4e7b-4122-
9e0c-303d3475900c">
<noscript>
<div class="image preview-block-image-6bfef09c-4e7b-4122-9e0c-
303d3475900c"></div>
</noscript>
</div>
<div class="imagetag">SUPPLYING THE MET OFFICE</div>
<h3 class="title title-row-2">Transparency</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing">Explore
</div>

<li class="preview-block-component">
<a href="/about-us/supplying-the-met-office/procurement/marketplace"
class="item">
<div class="image lazy" data-class="preview-block-image-215dd8ca-a7fd-40ad-
ae6a-f32b54e191ac">
<noscript>
<div class="image preview-block-image-215dd8ca-a7fd-40ad-ae6a-
f32b54e191ac"></div>
</noscript>
</div>
<div class="imagetag">SUPPLYING THE MET OFFICE</div>
<h3 class="title title-row-2">Marketplace</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing">Explore
</div>

<li class="preview-block-component">
<a href="/about-us/supplying-the-met-office/procurement/how-we-work"
class="item">
<div class="image lazy" data-class="preview-block-image-4b15ae1b-ac92-4604-
a90a-a0096fc3eba1">
<noscript>
<div class="image preview-block-image-4b15ae1b-ac92-4604-a90a-
a0096fc3eba1"></div>
</noscript>
</div>
<div class="imagetag">SUPPLYING THE MET OFFICE</div>
<h3 class="title title-row-2">How we work</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing">Explore
</div>

<li class="preview-block-component">
```

```
<a href="/about-us/supplying-the-met-office/procurement/supply-to-us"
class="item">
<div class="image lazy" data-class="preview-block-image-d6581b8c-1ef9-4efd-
8043-e3f6da3601d8">
<noscript>
<div class="image preview-block-image-d6581b8c-1ef9-4efd-8043-
e3f6da3601d8"></div>
</noscript>
</div>
<div class="imagetag">SUPPLYING THE MET OFFICE</div>
<h3 class="title title-row-2">Supplying to us</h3>
<div class="read-more-text">
<span class="icon" data-type="preview-block"
data-value="landing">Explore
</div>

</section>
</div>
<div class="advert-container">
<div class="draggable-advert ad-bottom" id="ad-bottom" data-google-query-
id="CL3e6YLlp_kCFQpJHQkdQ04MBw"><span class="advert-
span">ADVERTISEMENT<div
id="google_ads_iframe_/6002/about-us/supplying-the-met-office/procurement_0_
container" style="border: 0pt none; display: inline-block; width: 320px;
height: 50px;"><iframe frameborder="0"
src="https://496050375e59cd1fa685051271cd76d1.safeframe.googlesyndicatio
n.com/safeframe/1-0-38/html/container.html"
id="google_ads_iframe_/6002/about-us/supplying-the-met-office/procurement_0"
title="3rd party ad content" name="" scrolling="no" marginwidth="0"
marginheight="0" width="320" height="50" data-is-safeframe="true"
sandbox="allow-forms allow-popups allow-popups-to-escape-sandbox allow-
same-origin allow-scripts allow-top-navigation-by-user-activation" role="region"
aria-label="Advertisement" tabindex="-1" data-google-container-id="1" data-
load-complete="true" class="ad-iframe" style="border: 0px; vertical-align:
bottom;"></iframe></div></div>
</div>
<div>
<div>
</div>
</div>
</div>
</div>
<div class="wrap-3-right">
<div class="advert-container">
<div class="draggable-advert skyRight" id="skyRight" style="display:
none;"></div>
</div>
</div>
</div>
</main>
<div class="content-container" role="complementary" aria-label="feedback
banner">
<section class="feedback-banner-component">
```

```
<h2 class="feedback-banner-header">Help us improve our website</h2>
Take our short survey
</section></div>
<footer role="contentinfo" aria-label="footer">
<div class="upper">
<div class="content-container row">
<div class="col-xs-12 col-lg-2">

</div>
<div class="link-column col-xs-12 col-lg-10">
<div class="row">
<div class="left col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-1">

Met Office College

National Meteorological Library
& amp; Archive

Weather Observations Website
(WOW)

</div>
</div>
<div class="right col-xs-12 col-sm-6">
<div class="has-edit-button">
<ul id="footer-2">

Accessibility

Privacy policy

Cookie policy

Legal

Email updates

RSS

</div>
</div>
</div>
```

```
</div>
</div>
</div>
<div class="lower">
<div class="content-container row">
<div class="app-badges col-sm-6 col-xs-12">
<a class="google-play" href="https://play.google.com/store/apps/details?
id=uk.gov.metoffice.weather.android&referrer=utm_source%3DMet
%2520Office%2520Desktop%2520site%2520apps%2520page">

<a class="app-store"
href="https://apps.apple.com/app/apple-store/id1068146838">

</div>
<div class="follow-icons col-sm-6 col-xs-12 last-sm">
<ul class="horizontal-list">
<a href="https://www.facebook.com/metoffice" title="Follow us on
Facebook"><span class="icon" data-type="follow-light" data-
value="facebook">

<a href="https://www.youtube.com/user/TheMetOffice" title="Follow us on
YouTube"><span class="icon" data-type="follow-light" data-
value="youtube">
<a href="https://www.instagram.com/metoffice/" title="Follow us on
Instagram"><span class="icon" data-type="follow-light" data-
value="instagram">
<a href="https://www.snapchat.com/add/metoffice" title="Follow us on
Snapchat"><span class="icon" data-type="follow-light" data-
value="snapchat">
<a href="https://www.linkedin.com/company/met-office/" title="Follow us on
LinkedIn"><span class="icon" data-type="follow-light" data-
value="linkedin">

</div>
</div>
<div class="content-container row">
<div class="copyright col-xs-12">
<small>© Crown Copyright</small>
</div>
</div>
</div>
<div class="print-footer">

<p>© Crown Copyright</p>
</div>
</footer>
<div id="settings-container"
data-scripts="/webfiles/1658483350597/js/minified/dialog.min.js
```

```

/webfiles/1658483350597/js/minified/edit-preferences.min.js"
data-styles="/webfiles/1658483350597/css/compiled/components/dialog.css"></
div>
<script src="/webfiles/1658483350597/js/minified/global.min.js"></script>
<script type="application/ld+json">
//
{
"@context": "http://schema.org",
"@type": "Article",
"mainEntityOfPage": {
"@type": "WebPage",
"@id":
"https://www.metoffice.gov.uk/about-us/supplying-the-met-office/procurement"
},
"author": {
"@type": "Organization",
"name": "Met Office"
},
"publisher": {
"@type": "Organization",
"name": "Met Office",
"logo": {
"@type": "ImageObject",
"url": "https://www.metoffice.gov.uk/static/images/logo/default_card_315.jpg"
}
},
"headline": "Procurement",
"image":
"https://www.metoffice.gov.uk/binaries/content/gallery/metofficegovuk/hero-
images/advice/corporate/shipping-cargo-to-harbor-by-crane.jpg/shipping-cargo-
to-harbor-by-crane.jpg/metofficegovuk%3AheroXXLarge",
"description": "How the Met Office operates — procuring goods, services and
works",
"url":
"https://www.metoffice.gov.uk/about-us/supplying-the-met-office/procurement"
}
//]]>
</script>
<script>window['gtag_enable_tcf_support'] = true;</script>
<script type="text/javascript">//<![CDATA[
(function (w, d, s, l, i) {
w[l] = w[l] || [];
w[l].push({
'gtm.start': new Date().getTime(), event: 'gtm.js'
});
var f = d.getElementsByTagName(s)[0],
j = d.createElement(s), dl = l !== 'dataLayer' ? '&l=' + l : '';
j.async = true;
j.src = 'https://www.googletagmanager.com/gtm.js?id=' + i + dl;
f.parentNode.insertBefore(j, f);
})(window, document, 'script', 'dataLayer', 'GTM-NG48PDS');
//]]></script>
</pre>
</div>
```



```

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```

Developers: Find useful resources including a directory of open data APIs which allow Parliamentary data to be shared publicly at the UK Parliament developer hub. <http://developer.parliament.uk>.

-->

```

<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<style type="text/css">svg:not(:root).svg-inline--fa{overflow:visible}.svg-
inline--fa{display:inline-block;font-
size:inherit;height:1em;overflow:visible;vertical-align:-.125em}.svg-inline--fa.fa-
lg{vertical-align:-.225em}.svg-inline--fa.fa-w-1{width:.0625em}.svg-inline--fa.fa-w-
2{width:.125em}.svg-inline--fa.fa-w-3{width:.1875em}.svg-inline--fa.fa-w-
4{width:.25em}.svg-inline--fa.fa-w-5{width:.3125em}.svg-inline--fa.fa-w-
6{width:.375em}.svg-inline--fa.fa-w-7{width:.4375em}.svg-inline--fa.fa-w-
8{width:.5em}.svg-inline--fa.fa-w-9{width:.5625em}.svg-inline--fa.fa-w-
10{width:.625em}.svg-inline--fa.fa-w-11{width:.6875em}.svg-inline--fa.fa-w-
12{width:.75em}.svg-inline--fa.fa-w-13{width:.8125em}.svg-inline--fa.fa-w-
14{width:.875em}.svg-inline--fa.fa-w-15{width:.9375em}.svg-inline--fa.fa-w-
16{width:1em}.svg-inline--fa.fa-w-17{width:1.0625em}.svg-inline--fa.fa-w-
18{width:1.125em}.svg-inline--fa.fa-w-19{width:1.1875em}.svg-inline--fa.fa-w-
20{width:1.25em}.svg-inline--fa.fa-pull-left{margin-right:.3em;width:auto}.svg-
inline--fa.fa-pull-right{margin-left:.3em;width:auto}.svg-inline--fa.fa-
border{height:1.5em}.svg-inline--fa.fa-li{width:2em}.svg-inline--fa.fa-
fw{width:1.25em}.fa-layers svg.svg-inline--
fa{bottom:0;left:0;margin:auto;position:absolute;right:0;top:0}.fa-
layers{display:inline-block;height:1em;position:relative;text-align:center;vertical-
align:-.125em;width:1em}.fa-layers svg.svg-inline--fa{-webkit-transform-
origin:center center;transform-origin:center center}.fa-layers-counter,.fa-layers-
text{display:inline-block;position:absolute;text-align:center}.fa-layers-
text{left:50%;top:50%;-webkit-transform:translate(-50%,-
50%);transform:translate(-50%,-50%);-webkit-transform-origin:center
center;transform-origin:center center}.fa-layers-counter{background-
color:#ff253a;border-radius:1em;-webkit-box-sizing:border-box;box-

```

```

sizing:border-box;color:#fff;height:1.5em;line-height:1;max-width:5em;min-
width:1.5em;overflow:hidden;padding:.25em;right:0;text-overflow:ellipsis;top:0;-
webkit-transform:scale(.25);transform:scale(.25);-webkit-transform-origin:top
right;transform-origin:top right}.fa-layers-bottom-
right{bottom:0;right:0;top:auto;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:bottom
right;transform-origin:bottom right}.fa-layers-bottom-
left{bottom:0;left:0;right:auto;top:auto;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:bottom
left;transform-origin:bottom left}.fa-layers-top-right{right:0;top:0;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:top
right;transform-origin:top right}.fa-layers-top-left{left:0;right:auto;top:0;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:top
left;transform-origin:top left}.fa-lg{font-size:1.333333333em;line-
height:.75em;vertical-align:-.0667em}.fa-xs{font-size:.75em}.fa-sm{font-
size:.875em}.fa-1x{font-size:1em}.fa-2x{font-size:2em}.fa-3x{font-
size:3em}.fa-4x{font-size:4em}.fa-5x{font-size:5em}.fa-6x{font-size:6em}.fa-
7x{font-size:7em}.fa-8x{font-size:8em}.fa-9x{font-size:9em}.fa-10x{font-
size:10em}.fa-fw{text-align:center;width:1.25em}.fa-ul{list-style-
type:none;margin-left:2.5em;padding-left:0}.fa-ul>li{position:relative}.fa-li{left:-
2em;position:absolute;text-align:center;width:2em;line-height:inherit}.fa-
border{border:solid .08em #eee;border-
radius:.1em;padding:.2em .25em .15em}.fa-pull-left{float:left}.fa-pull-
right{float:right}.fa.fa-pull-left,.fab.fa-pull-left,.fal.fa-pull-left,.far.fa-pull-
left,.fas.fa-pull-left{margin-right:.3em}.fa.fa-pull-right,.fab.fa-pull-right,.fal.fa-
pull-right,.far.fa-pull-right,.fas.fa-pull-right{margin-left:.3em}.fa-spin{-webkit-
animation:fa-spin 2s infinite linear;animation:fa-spin 2s infinite linear}.fa-pulse{-
webkit-animation:fa-spin 1s infinite steps(8);animation:fa-spin 1s infinite
steps(8)}@-webkit-keyframes fa-spin{0%{-webkit-
transform:rotate(0);transform:rotate(0)}100%{-webkit-
transform:rotate(360deg);transform:rotate(360deg)}}@keyframes fa-spin{0%{-
webkit-transform:rotate(0);transform:rotate(0)}100%{-webkit-
transform:rotate(360deg);transform:rotate(360deg)}}.fa-rotate-90{-webkit-
transform:rotate(90deg);transform:rotate(90deg)}.fa-rotate-180{-webkit-
transform:rotate(180deg);transform:rotate(180deg)}.fa-rotate-270{-webkit-
transform:rotate(270deg);transform:rotate(270deg)}.fa-flip-horizontal{-webkit-
transform:scale(-1,1);transform:scale(-1,1)}.fa-flip-vertical{-webkit-
transform:scale(1,-1);transform:scale(1,-1)}.fa-flip-both,.fa-flip-horizontal,.fa-flip-
vertical{-webkit-transform:scale(-1,-1);transform:scale(-1,-1)}.root .fa-flip-
both,:root .fa-flip-horizontal,:root .fa-flip-vertical,:root .fa-rotate-180,:root .fa-
rotate-270,:root .fa-rotate-90{-webkit-filter:none;filter:none}.fa-
stack{display:inline-block;height:2em;position:relative;width:2.5em}.fa-stack-
1x,.fa-stack-2x{bottom:0;left:0;margin:auto;position:absolute;right:0;top:0}.svg-
inline--fa.fa-stack-1x{height:1em;width:1.25em}.svg-inline--fa.fa-stack-
2x{height:2em;width:2.5em}.fa-inverse{color:#fff}.sr-
only{border:0;clip:rect(0,0,0,0);height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}.sr-only-
focusable:active,.sr-only-
focusable:focus{clip:auto;height:auto;margin:0;overflow:visible;position:static;wi-
dth:auto}.svg-inline--fa .fa-primary{fill:var(--fa-primary-
color,currentColor);opacity:1;opacity:var(--fa-primary-opacity,1)}.svg-inline--
fa .fa-secondary{fill:var(--fa-secondary-
color,currentColor);opacity:.4;opacity:var(--fa-secondary-opacity,.4)}.svg-inline--
fa.fa-swap-opacity .fa-primary{opacity:.4;opacity:var(--fa-secondary-

```



```
opacity,.4)}.svg-inline--fa.fa-swap-opacity .fa-secondary{opacity:1;opacity:var(--fa-primary-opacity,1)}.svg-inline--fa mask .fa-primary,.svg-inline--fa mask .fa-secondary{fill:#000}.fad.fa-inverse{color:#fff}</style><link href="/Content/img/favicon.ico" rel="shortcut icon" type="image/x-icon">
```

```
<title>UK Parliament</title>
<meta name="title" content="UK Parliament">
<meta name="description" content="The UK Parliament has two Houses that work on behalf of UK citizens to check and challenge the work of Government, make and shape effective laws, and debate/make decisions on the big issues of the day.">
```

```
<link href="https://www.parliament.uk/" rel="canonical">
```

```
<meta property="og:url" content="https://www.parliament.uk/">
<meta property="og:site_name" content="https://www.parliament.uk/business/news/2021/january/coming-up-in-the-commons-18-22-january/">
<meta property="og:title" content="UK Parliament">
<meta property="og:image" content="https://www.parliament.uk/content/img/opengraph-card.png">
<meta property="og:description" content="Parliament is made up of the House of Commons and House of Lords. It is responsible for making laws, deciding taxes and scrutinising the Government."
```

>

```
<meta name="twitter:card" content="summary">
<meta name="twitter:title" content="UK Parliament">
<meta name="twitter:description" content="Parliament is made up of the House of Commons and House of Lords. It is responsible for making laws, deciding taxes and scrutinising the Government.">
<meta name="twitter:image:src" content="https://www.parliament.uk/content/img/opengraph-card.png">
```

```
<meta name="twitter:site" content="https://www.parliament.uk/business/news/2021/january/coming-up-in-the-commons-18-22-january/">
```

```
<meta name="twitter:card" content="summary_large_image">
```

```
<link href="https://cookiemanager.parliament.uk/cookiemanager.css" rel="stylesheet">
<script async="" src="https://www.googletagmanager.com/gtm.js?id=GTM-5R2LVTL"></script><script src="https://cookiemanager.parliament.uk/cookiemanager.bundle.js" type="text/javascript"></script>
```

```

<!-- Google Tag Manager -->
<script type="text/javascript">(function(w,d,s,l,i){w[l]=w[l]||
[];w[l].push({'gtm.start':
new Date().getTime(),event:'gtm.js'});var f=d.getElementsByTagName(s)[0],
j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
'https://www.googletagmanager.com/gtm.js?
id='+i+dl;f.parentNode.insertBefore(j,f);
})(window,document,'script','dataLayer','GTM-5R2LVTL');</script>
<!-- End Google Tag Manager -->

```

```

<link href="/bundles/css?
v=cM0xoRHcW0X2ESU6HoCHulh3M4c3s09agmEyhXviUZA1" rel="stylesheet">

```

```

<script async="" src="/cdn-cgi/bm/cv/669835187/api.js"></script></head>

```

```

<body class="brand-standard">
 <div class="cookie-manager">
 <div id="cookiebanner" class="cookie-banner" role="region" aria-
label="Cookie banner">
 <div class="container">
 <div class="custom-container">
 <div class="text">
 <h2>Our use of cookies</h2>
 <p>
 We use essential cookies to make our site work.
 </p>
 <p>
 We'd like to use additional cookies to understand how you use
the site and improve our services.
 </p>
 <p>
 You can find details of these and all other cookies on our

href="https://www.parliament.uk/site-information/privacy/">cookie policy.
 </p>
 </div>
 <div class="actions">
 <a id="allowall" href="#" class="cookie-
manager__button">Accept additional cookies
 <a id="rejectall" href="#" class="cookie-
manager__button">Reject additional cookies
 <a id="managesettings" href="#" data-cookie-manager-
open="">Cookie settings
 </div>
 </div>
 </div>
 </div>
 </div>

```

```
</div>
<!-- Google Tag Manager (noscript) -->
<noscript>
 <iframe src="https://www.googletagmanager.com/ns.html?id=GTM-
5R2LVTL" height="0" width="0"
style="display:none;visibility:hidden"></iframe>
</noscript>
<!-- End Google Tag Manager (noscript) -->

<noscript>
 <div class="attention-banner">
 <div class="container">
 You appear to have JavaScript disabled in your browser settings. You may
find some parts of this website
 do not work properly without it enabled.
 </div>
 </div>
</noscript>
```

```
<header class="">
 Skip to main content
```

```
<div class="container">

 <svg aria-hidden="true" width="159" height="40" viewBox="0 0 159
40" fill="none" xmlns="http://www.w3.org/2000/svg">
 <path fill-rule="evenodd" clip-rule="evenodd" d="M30.3206
2.64567L30.723 2.43852C31.4274 2.68118 32.3803 3.0659 33.0728
3.37367L29.0007 12.4944C21.4732 9.15267 12.883 9.15267 5.35546
12.4944L1.29523 3.37367C2.00547 3.0659 2.95838 2.68118 3.66271
2.43852L4.06518 2.64567C3.57977 3.57761 3.47168 4.66063 3.76333
5.67013C4.26363 5.29241 4.61719 4.75264 4.76359 4.1431L5.14239
4.37393C5.47404 5.60261 6.00166 6.76977 6.70493 7.83046L6.59247
8.26252C6.17482 8.04855 5.71227 7.93698 5.243 7.93699C5.08234 7.93777
4.922 7.95162 4.76359 7.97843C5.17842 8.94052 6.10852 9.57921 7.1554
9.62089C8.20228 9.66256 9.1802 9.09981 9.6702 8.17374C9.33972 8.01835
9.09946 7.71912 9.01914 7.36288C8.96282 7.10204 9.01635 6.91096 9.06971
6.72052C9.12289 6.53069 9.1759 6.34149 9.11976 6.08444C9.01631 5.63616
8.60906 5.32453 8.14932 5.34188C7.68959 5.35923 7.30697 5.70066 7.23761
6.15546C6.82687 5.91468 6.59283 5.45774 6.63744 4.98372C6.68206 4.5097
6.99725 4.10445 7.4457 3.94453C7.89415 3.78461 8.39464 3.89897 8.72912
4.2378C8.55213 3.97332 8.4257 3.67832 8.35624 3.36775C8.19123 2.60116
8.37558 1.80089 8.85933 1.18375C9.55788 1.5425 10.061 2.19303 10.2325
2.95936C10.3028 3.27011 10.3148 3.59121 10.268 3.90635C10.4337 3.46345
10.8394 3.15543 11.3106 3.11493C11.7817 3.07442 12.2341 3.30867 12.4729
3.7168C12.7118 4.12494 12.6944 4.63408 12.4283 5.02499C12.1756 4.63717
```

11.6819 4.48525 11.2549 4.6639C10.8279 4.84255 10.5895 5.30076 10.6882  
5.75299C10.7449 6.01837 10.8751 6.16958 11.0048 6.32015C11.1326 6.46845  
11.2598 6.61612 11.3156 6.87163C11.3789 7.16536 11.3281 7.47217 11.1735  
7.72984L11.1203 7.83638C12.0764 8.57116 13.3669 8.69911 14.4487  
8.16638C15.5305 7.63364 16.2158 6.53271 16.2163 5.32684V5.03091C15.2387  
5.1864 14.3443 5.67331 13.6831 6.40997L13.3457 6.0726V2.28463L13.689  
1.94134C14.3496 2.67463 15.2416 3.15929 16.2163 3.31448C16.2167 1.967  
15.3067 0.789395 14.0027 0.449829L14.3519 0.100626C15.291 0.033547  
16.238 7.62939e-06 17.1929 7.62939e-06C18.1478 7.62939e-06 19.0948  
0.033547 20.0339 0.100626L20.3831 0.449829C19.0769 0.789948 18.1664  
1.97072 18.1695 3.3204C19.1441 3.16521 20.0362 2.68055 20.6967  
1.94726L21.04 2.29055V6.08444L20.7027 6.42181C20.0415 5.68515 19.1471  
5.19824 18.1695 5.04275V5.32684C18.1804 6.53176 18.8743 7.62604 19.9595  
8.14979C21.0447 8.67355 22.3331 8.53599 23.2832 7.79495L23.2181  
7.69433C23.0651 7.43828 23.0143 7.13388 23.0761 6.84203C23.1327 6.57665  
23.263 6.42544 23.3927 6.27488C23.5204 6.12658 23.6476 5.97891 23.7035  
5.7234C23.7868 5.27391 23.5413 4.82809 23.1168 4.65831C22.6923 4.48853  
22.2071 4.64201 21.9574 5.02499C21.6913 4.63408 21.674 4.12494 21.9128  
3.7168C22.1517 3.30867 22.604 3.07442 23.0752 3.11493C23.5463 3.15543  
23.9521 3.46345 24.1178 3.90635C24.069 3.59158 24.079 3.27048 24.1474  
2.95936C24.3189 2.19303 24.8219 1.5425 25.5205 1.18375C25.9825 1.79054  
26.1594 2.56748 26.0058 3.31448C25.9364 3.62505 25.8099 3.92005 25.6329  
4.18453C25.9674 3.84571 26.4679 3.73134 26.9164 3.89126C27.3648 4.05119  
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Menu
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 Shop

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 More

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 Or type a keyword to search
 </div>

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 Close
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 Close

 <div class="sub-navigation" id="sub-navigation-1" tabindex="-1">
 <div class="header">
 Skip to next main navigation item

```

```

<div class="title">
 Parliamentary business
</div>
<div class="description">
 Find out what's on today at the House of Commons and House of
 Lords. Track current bills, keep up with committees, watch live footage and
 follow topical issues.
</div>

 Close

 Back

 Close

</div>
<div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 Parliamentary
business home

 House of
Commons

 House of Lords

 What's
on

 Bills &
legislation

 Committees

 Publications &
records

 </div>
 </div>
</div>

```

```


 Parliament
TV

 News from UK
Parliament

</div>
</div>
</div>
<div class="featured">
 <div class="featured-title">
 Legislation and debate
 </div>

 <div class="featured-primary">

 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Hansard
 </div>
 <div class="secondary-info">
 Read transcripts of debates in both Houses.
 </div>
 </div>
 </div>

 <a class="card"
href="https://researchbriefings.parliament.uk/">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Research briefings
 </div>
 <div class="secondary-info">
 Produced by Commons Library, Lords Library,
and Parliamentary Office Science and Technology.
 </div>
 </div>
 </div>

 </div>

 <div class="featured-sub-title">
 Brexit research & analysis
 </div>

 <div class="featured-secondary">


```

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 <a href="/business/publications/research/eu-
referendum/">Next steps for the UK leaving the EU

</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-2" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 MPs, Lords & offices
 </div>
 <div class="description">
 MPs and Members of the Lords sit in the two Chambers of
 Parliament scrutinising the Government and debating legislation. Find Members
 of Parliament (MPs) by postcode and constituency, and Members of the House of
 Lords by name and party.
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 <a class="primary-link" href="/mps-lords-and-
offices/">MPs, Lords & offices home

 MPs

 Members of the House of
Lords

 </div>
 </div>
 </div>
</div>

```

```


 Government & amp; opposition

 Parliamentary offices

 <a href="/mps-lords-and-offices/members-
allowances/">Members' allowances

 <a href="/mps-lords-and-offices/standards-and-
financial-interests/">Standards and financial interests


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</div>

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</div>

```

```

<div class="featured">

```

```

 <div class="featured-title">

```

```

 Members of Parliament

```

```

 </div>

```

```

 <div class="featured-primary">

```

```

 <a class="card"

```

```

href="https://members.parliament.uk/FindYourMP">

```

```

 <div class="card-inner">

```

```

 <div class="content">

```

```

 <div class="primary-info">

```

```

 Find your MP

```

```

 </div>

```

```

 <div class="secondary-info">

```

```

 Search for Members by name, postcode, or

```

```

constituency

```

```

 </div>

```

```

 </div>

```

```

 </div>

```

```



```

```

 <a class="card"

```

```

href="https://members.parliament.uk/members/Lords">

```

```

 <div class="card-inner">

```

```

 <div class="content">

```

```

 <div class="primary-info">

```

```

 Search for Members of the House of Lords

```

```

 </div>

```

```

 <div class="secondary-info">

```

```

 Learn about their experience, knowledge and

```

```

interests.

```

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 </div>

```

```

 </div>

```

```

 </div>

```

```



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</div>

</div>

</div>

</div>

<div class="sub-navigation" id="sub-navigation-3" tabindex="-1">

<div class="header">

<a class="skip-link" href="#">Skip to next main navigation item</a>

<div class="title">

About Parliament

</div>

<div class="description">

Parliament examines what the Government is doing, makes new laws, holds the power to set taxes and debates the issues of the day.

</div>

<a class="close-sub-navigation" href="#">

Close

</a>

<a class="hide-sub-navigation" href="#">

Back

</a>

<a href="#" class="close-navigation">

Close

</a>

</div>

<div class="items">

<div class="sections">

<div class="section-title">

In this section

</div>

<div class="links">

<ul>

<li>

<a class="primary-link" href="/about/">About Parliament

</li>

<li>

<a href="/about/how/">How Parliament works</a>

</li>

<li>

<a href="/about/mps-and-lords/">About MPs, Lords

</li>

<li>

<a href="/about/independent-complaints-and-grievance-scheme/">Independent Complaints and Grievance Scheme (ICGS)</a>

</li>

<li>

```

 Living Heritage

 Jobs at Parliament

 Frequently Asked
Questions

 Sustainability and
environmental performance in Parliament

 UK Parliament's
Modern Slavery Programme

 Parliament
and Women

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Parliament's role
 </div>

 <div class="featured-primary">

 <a class="card" href="/about/working/workplace-equality-
networks/">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Workplace Equality Networks
 </div>
 <div class="secondary-info">
 Staff networks for people to discuss and
consider issues.
 </div>
 </div>
 </div>
 </div>
 </div>

</div>

</div>
</div>
<div class="sub-navigation" id="sub-navigation-4" tabindex="-1">
 <div class="header">

```

```

Skip to next main navigation item
<div class="title">
 Get involved
</div>
<div class="description">
 Read about how to contact an MP or Lord, petition Parliament and
 find out details of events in your area.
</div>

 Close

 Back

 Close

</div>
<div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 Get
involved home

 <a href="/get-involved/contact-an-mp-or-
lord/">Contact an MP or a Member of the Lords

 Request a
workshop

 Join a
learning programme

 <a href="/get-involved/research-impact-at-the-uk-
parliament/">Research impact at the UK Parliament

 Have
your say: Laws & debates


```



[Watch Parliament at work](/link/e2fae5a5f7bd4b808af18a74504a9c82.aspx)

[Y Gornel Gymraeg](/get-involved/welsh/)

[Get involved with Parliament](#)

[Contact an MP or Lord](/get-involved/contact-an-mp-or-lord/)

[Contact your MP or a Member of the House of Lords about an issue that matters to you.](#)

[Keep up to date](https://parliament.us16.list-manage.com/subscribe?u=3ad7e4c57a864f07e4db008c4&id=26d0645ea9)

[Sign up for the Your Parliament newsletter to find out how you can get involved.](#)

[It starts with action](#)

```
<div class="featured-secondary">

 Sign or create
a petition

 <a
href="https://www.ukparliamentweek.org/en/about/?utm_campaign=0620-mar-
ee-
ukpw20nav&utm_medium=referral&utm_source=ukparliament">Sign
up to UK Parliament Week

</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-5" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Visit Parliament
 </div>
 <div class="description">
 Find out how to take a tour in person, join an online event, book
tickets and plan a visit to UK Parliament.
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 Visit Parliament
home

 Tours

```

```


 Talks and
events

 <a href="/visiting/visiting-and-tours/watch-committees-
and-debates/">Watch debates and committees

 Plan your visit

 360° virtual tour

 Venue hire

 Parliament
Shop

</div>
</div>
</div>
<div class="featured">
 <div class="featured-title">
 Keep up to date
 </div>

 <div class="featured-primary">

 <a class="card" href="https://parliament.us16.list-
manage.com/subscribe?
u=3ad7e4c57a864f07e4db008c4&id=e227b1ada0">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Visit newsletter
 </div>
 <div class="secondary-info">
 Sign up to our newsletter to receive the latest
news about visiting UK Parliament.
 </div>
 </div>
 </div>

 </div>

</div>
</div>
</div>

```

```

<div class="sub-navigation" id="sub-navigation-6" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Learning
 </div>
 <div class="description">
 Your UK Parliament offers free, flexible support for teachers,
 community groups, and home educators to spark engagement and active
 citizenship.
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 <a class="primary-link"
href="https://learning.parliament.uk/">Learning home

 <a href="https://learning.parliament.uk/contact-
us/">About UK Parliament education

 Teacher resources and lesson
plans

 <a href="https://learning.parliament.uk/teacher-
training/">CPD Training

 Outreach


```

```
<a href="https://learning.parliament.uk/visit-
us/">Visit

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Supporting teachers
 </div>

 <div class="featured-primary">

 <a class="card" href="https://learning.parliament.uk/visit-
us/">

 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Inspire your students
 </div>
 <div class="secondary-info">
 Book a school visit, classroom workshop or
teacher-training session
 </div>
 </div>
 </div>

 <a class="card"
href="https://learning.parliament.uk/resources/?
_ga=2.258436490.1604750048.1581933597-713880572.1533658038">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Free teacher training resources
 </div>
 <div class="secondary-info">
 Access videos, worksheets, lesson plans and
games.
 </div>
 </div>
 </div>

 </div>

 <div class="featured-sub-title">
 Keep up to date
 </div>

 <div class="featured-secondary">

 <a
href="https://parliament.us16.list-manage.com/subscribe?
```

```
u=3ad7e4c57a864f07e4db008c4&id=68f219c688">Sign up to our
education newsletter

</div>
</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-7" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Shop
 </div>
 <div class="description">
 Shop
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 <a class="primary-link"
href="https://www.shop.parliament.uk/">Shop home

 </div>
 </div>
 </div>
 </div>
</nav>
</div>
```

```
</header>
```

```
<main id="main-content">
```

```
<div class="product-banner">
 <div class="container">
 <div class="row">
 <div class="col-lg-7 col-no-spacing">
 <h1>UK Parliament</h1>
 <div>
 <p>The UK Parliament has two Houses that work on behalf of UK
citizens to check and challenge the work of Government, make and shape
effective laws, and debate/make decisions on the big issues of the
day. </p>
 </div>
 </div>
 <div class="col-lg-5 image image-slim image-padding">

 </div>
 </div>
 </div>
</div>
```

```
<div class="container">
 <article>
```

```
<div class="row row-with-spacing">
 <div class="col-xl-12">
 <div class="widget widget-featured">
 <div class="heading no-icon">
 <h2>Featured news</h2>

 <div class="actions">
 <a href="/business/news" class="btn btn-small btn-purple-
deep-regular">
 View all UK Parliament news
```

```


 </div>
</div>
<div class="content">
 <div class="tile-list tile-list-feature">
 <a class="tile tile-feature" href="/business/news/2022/july-
2022/uk-parliament-week-returns-for-2022/">
 <div class="tile-inner">
 <div class="top">
 <div class="image-box apply-object-fit">
 <picture><source sizes="(max-width: 400px)
500px, 800px"
srcset="/contentassets/f2343ffd5dcf466b9c66c1973c4c9350/ukpw-2022_uk-
parliament-homepage_young-adults_6by4-.jpg?
format=webp&width=500&quality=85 500w,
/contentassets/f2343ffd5dcf466b9c66c1973c4c9350/ukpw-2022_uk-parliament-
homepage_young-adults_6by4-.jpg?
format=webp&width=800&quality=85 800w"
type="image/webp"><source sizes="(max-width: 400px) 500px, 800px"
srcset="/contentassets/f2343ffd5dcf466b9c66c1973c4c9350/ukpw-2022_uk-
parliament-homepage_young-adults_6by4-.jpg?width=500&quality=85
500w, /contentassets/f2343ffd5dcf466b9c66c1973c4c9350/ukpw-2022_uk-
parliament-homepage_young-adults_6by4-.jpg?width=800&quality=85
800w"><script type="text/javascript" style="display:none">
//<![CDATA[
window.__mirage2 = {petok:"f4ea74c6bbe0e8046eaabf9a1887e35cce38ff6a-
1659422918-7200"};
//]]>
</script>
<script type="text/javascript"
src="https://ajax.cloudflare.com/cdn-cgi/scripts/04b3eb47/cloudflare-static/
mirage2.min.js"></script>
</picture>
 </div>
 <div class="content">
 <div class="primary-info">
 Featured item:
 UK Parliament Week returns for 2022
 </div>
 <div class="text">
 UK Parliament Week (UKPW) is an annual event
that engages people from across the UK with Parliament, spreading the word
about what Parliament is, what it does and how everyone can get involved
 </div>
 </div>
 </div>
</div>
<div class="bottom">
 <div class="info">
 <div class="info-inner">

```



```

 <div class="indicators-left">
 <div class="indicator indicator-label">26 July
2022
</div>
 </div>
 </div>
 </div>
 </div>
</div>

<a class="tile tile-feature" href="/business/news/2022/july-
2022/house-of-commons-rises-for-summer-recess/">
 <div class="tile-inner">
 <div class="top">
 <div class="image-box apply-object-fit">
 <picture><source sizes="(max-width: 400px)
500px, 800px" srcset="/globalassets/visiting/pc-commons-chamber-
1800x1200.jpg?format=webp&width=500&quality=85 500w,
/globalassets/visiting/pc-commons-chamber-1800x1200.jpg?
format=webp&width=800&quality=85 800w"
type="image/webp"><source sizes="(max-width: 400px) 500px, 800px"
srcset="/globalassets/visiting/pc-commons-chamber-1800x1200.jpg?
width=500&quality=85 500w, /globalassets/visiting/pc-commons-chamber-
1800x1200.jpg?width=800&quality=85 800w"></picture>
 </div>
 <div class="content">
 <div class="primary-info">
 Featured item:
 House of Commons rises for Summer Recess
 </div>
 <div class="text">
 The House of Commons adjourned
on Thursday 21 July for recess and will next sit on Monday 5 September
 </div>
 </div>
 </div>
 <div class="bottom">
 <div class="info">
 <div class="info-inner">
 <div class="indicators-left">
 <div class="indicator indicator-label">22 July
2022
</div>
 </div>
 </div>
 </div>
 </div>
 </div>


```

```

 <a class="tile tile-feature" href="/business/news/2022/july-
2022/house-of-lords-summer-roundup/">
 <div class="tile-inner">
 <div class="top">
 <div class="image-box apply-object-fit">
 <picture><source sizes="(max-width: 400px)
500px, 800px"
srcset="/contentassets/324c842c26d34a938137dc2e196c9d2d/hl_parliament-
summer_rogerharris.jpg?format=webp&quality=85 500w, /contentassets/324c842c26d34a938137dc2e196c9d2d/hl_parliament-
summer_rogerharris.jpg?format=webp&quality=85 800w"
type="image/webp"><source sizes="(max-width: 400px) 500px, 800px"
srcset="/contentassets/324c842c26d34a938137dc2e196c9d2d/hl_parliament-
summer_rogerharris.jpg?width=500&quality=85 500w,
/contentassets/324c842c26d34a938137dc2e196c9d2d/hl_parliament-
summer_rogerharris.jpg?width=800&quality=85 800w"></picture>
 </div>
 <div class="content">
 <div class="primary-info">
 Featured item:
 House of Lords summer roundup
 </div>
 <div class="text">
 Catch up on a busy start to the 2022-23 session
of Parliament as the House of Lords pauses for the summer recess.
 </div>
 </div>
 </div>
 </div>
 <div class="bottom">
 <div class="info">
 <div class="info-inner">
 <div class="indicators-left">
 <div class="indicator indicator-label">25 July
2022
 </div>
 </div>
 </div>
 </div>
 </div>
 </div>
 </div>
 </div>

```

```

<div class="row row-with-spacing">
 <div class="col-12">
 <div class="widget">
 <div class="heading no-icon">
 <h2>Quick links</h2>
 </div>
 <div class="content">
 <div class="content-block content-block-tile-list"><div
class="tile-list tile-list-4-col">
 <div class="content-block content-block-tile"><a class="tile"
href="/business/commons/">
 <div class="tile-inner">
 <div class="top">

 <div class="image background-colour-commons">
 <picture><source sizes="200px" srcset="/globalassets/tile-
portcullis.png?width=200 200w"></
picture>
 </div>

 <div class="content">
 <div class="primary-info">
 House of Commons
 </div>
 <div class="text">
 Democratically elected house makes laws and checks the work of
Government.
 </div>
 </div>
 </div>
 </div><div class="content-block content-block-tile"><a class="tile"
href="/business/lords/">
 <div class="tile-inner">
 <div class="top">

 <div class="image background-colour-lords">
 <picture><source sizes="200px" srcset="/globalassets/tile-
portcullis.png?width=200 200w"></
picture>
 </div>

 <div class="content">
 <div class="primary-info">
 House of Lords
 </div>
 <div class="text">

```

Checking and shaping draft laws and challenging the work of Government.

</div>

</div>

</div>

</div>

</a></div><div class="content-block content-block-tile"><a class="tile" href="https://members.parliament.uk/">

<div class="tile-inner">

<div class="top">

<div class="image">

<picture><source sizes="200px" srcset="/globalassets/illustration-members.png?width=200 200w"></picture>

</div>

<div class="content">

<div class="primary-info">

MPs and Lords

</div>

<div class="text">

Find Members of Parliament (MPs) and Members of the House of Lords.

</div>

</div>

</div>

</div>

</a></div><div class="content-block content-block-tile"><a class="tile" href="https://votes.parliament.uk/">

<div class="tile-inner">

<div class="top">

<div class="image">

<picture><source sizes="200px" srcset="/globalassets/illustration-votes.png?width=200 200w"></picture>

</div>

<div class="content">

<div class="primary-info">

Votes in Parliament

</div>

<div class="text">

Find vote results from the House of Commons and House of Lords.

</div>

</div>

</div>

```

</div>
</div><div class="content-block content-block-tile"><a class="tile"
href="https://hansard.parliament.uk/">
 <div class="tile-inner">
 <div class="top">

 <div class="image">
 <picture><source sizes="200px" srcset="/globalassets/illustration-
hansard.png?width=200 200w"></picture>
 </div>

 <div class="content">
 <div class="primary-info">
 Hansard
 </div>
 <div class="text">
 Read transcripts of debates and find business papers from both
Houses.
 </div>
 </div>
 </div>
 </div>
</div><div class="content-block content-block-tile"><a class="tile"
href="https://bills.parliament.uk/">
 <div class="tile-inner">
 <div class="top">

 <div class="image">
 <picture><source sizes="200px" srcset="/globalassets/illustration-
bills.png?width=200 200w"></picture>
 </div>

 <div class="content">
 <div class="primary-info">
 Bills
 </div>
 <div class="text">
 Keep up to date with the progress of current and draft Bills before
Parliament.
 </div>
 </div>
 </div>
 </div>
</div><div class="content-block content-block-tile"><a class="tile"
href="https://committees.parliament.uk/">
 <div class="tile-inner">

```

```
<div class="top">

 <div class="image">
 <picture><source sizes="200px" srcset="/globalassets/illustration-
committees.png?width=200 200w"></picture>
 </div>

 <div class="content">
 <div class="primary-info">
 Committees
 </div>
 <div class="text">
 Latest news, inquiries and reports from Parliamentary select
committees.
 </div>
 </div>
</div>

 <div class="tile-inner">
 <div class="top">

 <div class="image">
 <picture><source sizes="200px" srcset="/globalassets/illustration-
brexit.png?width=200 200w"></picture>
 </div>

 <div class="content">
 <div class="primary-info">
 Brexit
 </div>
 <div class="text">
 Research and analysis from Parliament's libraries and committees.
 </div>
 </div>
 </div>

</div>
</div>
```

```
<div class="widget parliament-now">
 <div class="heading no-icon">
 <h2 class="main-heading">ParliamentNow</h2>

 <div class="actions">
 <a href="https://now.parliament.uk" class="btn btn-small btn-
purple-deep-regular">
 View full ParliamentNow website
 <div class="sr-only">
 To view a version of ParliamentNow that is accessible
using assistive technologies, please use this link.
 </div>

 </div>
</div>
```

```
<div class="row ">
 <div class="col-lg-12">

 <div class="pnw-container" id="pnw-container">
<div>
```

```
 <div class="highlight highlight-info ie-message" id="ie-message">
 <p>
 ParliamentNow presents information from the UK Parliament <a
href="https://guidetoprocedure.parliament.uk/articles/iXa8OFJQ/annunciator-
system">annunciator system, covering both the House of Commons and
House of Lords. Similar to annunciator screens on the Parliamentary estate, it
provides constantly updated information on what's happening in both chambers.
 </p>
```

```
 <p>To view ParliamentNow on the UK Parliament website, please use
another browser such as Chrome, Firefox, or Edge. Alternatively you can access
the ParliamentNow website using the 'View full ParliamentNow website'
button.</p>
 </div>
```

```
 <div id="pnw-iframe-container" class="pnw-iframe-container"
style="display: block;">
 <div class="highlight highlight-info">
 <p>
 ParliamentNow presents information from the UK Parliament <a
href="https://guidetoprocedure.parliament.uk/articles/iXa8OFJQ/annunciator-
system">annunciator system, covering both the House of Commons and
House of Lords. Similar to annunciator screens on the Parliamentary estate, it
provides constantly updated information on what's happening in both chambers.
 </p>
 </div>
```

```
 <iframe id="parliament-now-bicameral" class="parliament-now-iframe"
src="https://now.parliament.uk?ui=2&house=2" title="Feed from
ParliamentNow website" aria-hidden="true" scrolling="no" style="overflow:
hidden; height: 810px;">
```

```
 </iframe>
```

```
 </div>
```

```
</div>
```

```
</div>
```

```
 </div>
```

```
 </div>
```

```
 </div>
```

```
 </div>
```

```
</div>
```

```
<div class="row row-with-spacing">
```

```
 <div class="col-lg-8">
```

```
 <div class="widget">
```

```
 <div class="heading no-icon">
```

```
 <h2>Follow the latest business</h2>
```

```
 </div>
```

```
 <div class="content">
```

```
 <div class="content-block content-block-tab-container">
```

```
<div class="tabs">
```

```
 <ul class="nav nav-tabs" role="tablist">
```

```
 <li role="tab">
```

```
 <a id="tab-1" href="#tab-pane-1" data-toggle="tab"
```

```
class="active">News
```

```

```

```
 <li role="tab">
```

```
 <a id="tab-2" href="#tab-pane-2" data-toggle="tab"
```

```
class="">What's on
```

```

```

```

```

```
 <div class="tab-content">
```

```
<div class="tab-pane active" id="tab-pane-1" role="tabpanel" aria-
labelledby="tab-1">
```

```
 <p>Latest news from the House of Commons and Houses of Lords.</p>
```

```
 <div class="content-block content-block-latest-news">
```

```
<div class="content-list">
```

```
<a class="card card-content"
```

```
href="https://committees.parliament.uk/committee/81/health-and-social-care-
committee/news/172577/regulate-nonsurgical-cosmetic-procedures-within-a-
year-to-prevent-exploitation-urge-mps/">
```

```
 <div class="card-inner">
```



```
<div class="image apply-object-fit">

</div>
```

```
<div class="content">
 <div class="primary-info">
 Regulate non-surgical cosmetic procedures within a year to prevent
 exploitation, urge MPs
 </div>
```

```
<div class="text">
 Health and Social Care Committee publishes report on the impact of
 body image on mental and physical health
</div>
</div>
```

```
<div class="info">
 <div class="info-inner">
 <div class="indicators-left">
 <div class="indicator indicator-label">
 02 August 2022
 </div>
 </div>
 </div>
</div>
</div>
<a class="card card-content"
href="https://committees.parliament.uk/committee/605/joint-committee-on-the-
draft-mental-health-bill/news/172597/joint-committee-on-the-draft-mental-
health-bill-call-for-evidence/">
 <div class="card-inner">
 <div class="image apply-object-fit">

 </div>
```

```
<div class="content">
 <div class="primary-info">
 Joint Committee on the Draft Mental Health Bill call for evidence
 </div>
```

```
<div class="text">
```

The Joint Committee has issued a call for evidence and a survey for their inquiry into the draft Mental Health Bill

</div>

</div>

<div class="info">

<div class="info-inner">

<div class="indicators-left">

<div class="indicator indicator-label">

01 August 2022

</div>

</div>

</div>

</div>

</div>

</a><a class="card card-content"

href="https://committees.parliament.uk/committee/78/foreign-affairs-

committee/news/172573/foreign-affairs-committee-publishes-government-

response-to-afghanistan-report/">

<div class="card-inner">

<div class="image apply-object-fit">



</div>

<div class="content">

<div class="primary-info">

Foreign Affairs Committee publishes Government response to  
Afghanistan report

</div>

<div class="text">

Government responds to Committee's report 'Missing in action: UK  
leadership and the withdrawal from Afghanistan'

</div>

</div>

<div class="info">

<div class="info-inner">

<div class="indicators-left">

<div class="indicator indicator-label">

29 July 2022

</div>

</div>

</div>

</div>

</div>

```
<a class="card card-content"
href="https://committees.parliament.uk/committee/83/home-affairs-committee/
news/172575/state-of-policing-in-england-and-wales-examined-in-new-inquiry/">
 <div class="card-inner">
 <div class="image apply-object-fit">

 </div>
```

```
 <div class="content">
 <div class="primary-info">
 State of policing in England and Wales examined in new inquiry
 </div>
```

```
 <div class="text">
 Home Affairs Committee to examine what a modern police service
 should look like
 </div>
 </div>
```

```
 <div class="info">
 <div class="info-inner">
 <div class="indicators-left">
 <div class="indicator indicator-label">
 29 July 2022
 </div>
 </div>
 </div>
 </div>
```

```
</div>
<a class="card card-content"
href="https://committees.parliament.uk/committee/170/communications-and-
digital-committee/news/172526/a-creative-future-inquiry-launch/">
```

```
 <div class="card-inner">
 <div class="image apply-object-fit">

 </div>
```

```
 <div class="content">
 <div class="primary-info">
 A creative future - inquiry launch
 </div>
```

```
 <div class="text">
```

The Communications and Digital Committee is launching an inquiry into the future of the UK's creative industries. The Committee invites written contributions by 2 September.&nbsp;

```
</div>
</div>

<div class="info">
 <div class="info-inner">
 <div class="indicators-left">
 <div class="indicator indicator-label">
 28 July 2022
 </div>
 </div>
 </div>
</div>
</div>
</div>
<a class="card card-content"
href="https://committees.parliament.uk/committee/175/economic-affairs-
committee/news/172551/where-have-all-the-workers-gone-economic-affairs-
committee-launches-new-inquiry/">
 <div class="card-inner">
 <div class="image apply-object-fit">

 </div>

 <div class="content">
 <div class="primary-info">
 Where have all the workers gone? Economic Affairs Committee
launches new inquiry
 </div>

 <div class="text">
 Economic Affairs Committee launches new inquiry on labour shortages
 </div>
 </div>

 <div class="info">
 <div class="info-inner">
 <div class="indicators-left">
 <div class="indicator indicator-label">
 28 July 2022
 </div>
 </div>
 </div>
 </div>
 </div>
</div>

<div class="separator-30"></div>

```

```

 View all UK Parliament news

</div></div>
</div><div class="tab-pane " id="tab-pane-2" role="tabpanel" aria-
labelledby="tab-2">

 <div class="content-block content-block-calendar">
<div class="whats-on">
 <div class="row">
 <div class="col-md-9 col-no-spacing">
 <h2 class="margin-bottom-10">What's on</h2>
 <p class="intro">
 What's on in the House of Commons and House of Lords.
 </p>
 <h3 class="margin-bottom-10 margin-top-25">
 Tuesday 2 August 2022
 </h3>
 </div>
 <div class="col-md-3">
 <div class="calendar-sheet float-right" aria-hidden="true">
 <div class="month">
 Aug
 </div>
 <div class="day">
 2
 </div>
 <div class="year">
 2022
 </div>
 </div>
 </div>
 </div>
</div>

 <div class="filter margin-top-10" aria-live="polite" role="region" aria-
label="What's on filter">
 <form action="/api/WhatsOn/SearchWhatsOn" id="whats-on-form" data-
results-element="whats-on-results" data-results-container="results-container">

 <input type="hidden" name="Date" value="2022-08-02">

 <div class="row">
 <div class="col-lg-5">
 <label id="label-select-house">House</label>
 <div class="toggle-button" aria-labelledby="label-select-house">
 <div class="radio-group">
 <input aria-label="House of Commons" data-select-default=""
data-select-id="location" data-select-
options="[{""id"::0,"name"::"Main Chamber"},{
{""id"::1,"name"::"Westminster Hall"},{
{""id"::2,"name"::"General Committees"},{

```

```

{"id";:3,"name"::"Select Committees"},
{"id";:4,"name"::"Joint Committees"}}]"
id="whats-on-radio-commons" name="House" type="radio" value="Commons"
checked="checked">
 <label for="whats-on-radio-commons">Commons</label>
</div>
<div class="radio-group">
 <input aria-label="House of Lords" data-select-id="location"
data-select-options="[{"id";:0,"name"::"Main
Chamber"}, {"id";:5,"name"::"Grand
Committees"}, {"id";:3,"name"::"Select
Committees"}, {"id";:4,"name"::"Joint
Committees"}]" id="whats-on-radio-lords" name="House" type="radio"
value="Lords">
 <label for="whats-on-radio-lords">Lords</label>
</div>
</div>
<div class="col-lg-5">
 <label for="location">Location</label>
 <select id="location" name="Location">

 <option value="0">Main Chamber</option>

 <option value="1">Westminster Hall</option>

 <option value="2">General Committees</option>

 <option value="3">Select Committees</option>

 <option value="4">Joint Committees</option>
 </select>
</div>
<div class="col-lg-2">
 <button type="submit" class="btn btn-primary">Show</button>
</div>
</div>
</form>
</div>

<div class="results" id="results-container">

 <div class="spinner" style="display: none;">
 <div class="spinner-icon"></div>
 <p>Loading...</p>
</div>

 <div id="whats-on-results" class="card-list"><div class="highlight
highlight-neutral">
 <p>No business is scheduled for today.</p>
 </div></div>
</div>

```

```
<div class="separator-30"></div>
<a class="btn btn-secondary btn-full-width"
href="https://calendar.parliament.uk">View the full Parliamentary calendar
</div></div>
</div></div>
</div>
</div>
```

```
<div class="col-lg-4">
```

```
<div class="widget widget-watch" data-refresh-interval="10">
 <div class="heading no-icon with-action">
 <h2>Watch</h2>
 </div>
 <div class="content">
 <p>
 Watch live and archived coverage of all UK Parliament proceedings taking
 place in public.
 </p>
```

```
 <div class="highlight-box">
 <h3>
 Parliament TV
 </h3>
 <p>
 Live feeds of debates and committee meetings on Parliament TV. Also
 access videos of debates and committee meetings dating back to December
 2007.
 </p>
 <a class="btn btn-primary btn-full-width" href="https://parliamentlive.tv"
target="_blank" rel="noopener">Watch on parliamentlive.tv
```

```
</div>
```

```
<div class="tab-divider"></div>
```

```
<a class="tile" href="https://www.youtube.com/UKParliament"
target="_blank" rel="noopener">
 <div class="tile-inner">
 <div class="top">
 <div class="icon-box">
 <svg class="svg-inline--fa fa-youtube fa-w-18 icon icon-wide"
aria-hidden="true" focusable="false" data-prefix="fab" data-icon="youtube"
role="img" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 576 512" data-
fa-i2svg=""><path fill="currentColor" d="M549.655 124.083c-6.281-23.65-
24.787-42.276-48.284-48.597C458.781 64 288 64 288 64S117.22 64 74.629
75.486c-23.497 6.322-42.003 24.947-48.284 48.597-11.412 42.867-11.412
132.305-11.412 132.305s0 89.438 11.412 132.305c6.281 23.65 24.787 41.5
48.284 47.821C117.22 448 288 448 288 448s170.78 0 213.371-11.486c23.497-
6.321 42.003-24.171 48.284-47.821 11.412-42.867 11.412-132.305 11.412-
132.305s0-89.438-11.412-132.305zm-317.51 213.508V175.185l142.739 81.205-
```





```

<div class="col-xl">
 <div class="widget">
 <div class="heading no-icon with-action">
 <h2>Other Parliamentary resources</h2>
 </div>
 <div class="content">
 <div class="card-list card-list-3-col">
 <a href="https://questions-statements.parliament.uk/" class="card card-
image-small">
 <div class="card-inner">
 <div class="image">

 </div>
 <div class="content">
 <div class="primary-info">
 Written questions, answers and statements
 </div>
 <div class="text">
 Find written questions and answers, as well as written
statements
 </div>
 </div>
 </div>
 </div>
 <a href="https://statutoryinstruments.parliament.uk" class="card card-
image-small">
 <div class="card-inner">
 <div class="image">

 </div>
 <div class="content">
 <div class="primary-info">
 Statutory Instruments
 </div>
 <div class="text">
 Find Statutory Instruments by title, paper number, and other
criteria
 </div>
 </div>
 </div>
 </div>

 <div class="card-inner">
 <div class="image">

 </div>

```

```

 <div class="content">
 <div class="primary-info">
 Treaties
 </div>
 <div class="text">
 Find treaties by title, command paper number, and other
criteria
 </div>
 </div>
 </div>

 <a href="https://depositedpapers.parliament.uk" class="card card-
image-small">
 <div class="card-inner">
 <div class="image">

 </div>
 <div class="content">
 <div class="primary-info">
 Deposited papers
 </div>
 <div class="text">
 Find deposited papers that have been deposited in both houses
 </div>
 </div>
 </div>

 <a href="https://guidetoprocedure.parliament.uk" class="card card-
image-small">
 <div class="card-inner">
 <div class="image">

 </div>
 <div class="content">
 <div class="primary-info">
 MPs' Guide to Procedure
 </div>
 <div class="text">
 Practical, clearly written guidance on House of Commons
procedure for MPs and their staff
 </div>
 </div>
 </div>

 <a href="https://erskinemay.parliament.uk" class="card card-image-
small">
 <div class="card-inner">

```

```

 <div class="image">

 </div>
 <div class="content">
 <div class="primary-info">
 Erskine May
 </div>
 <div class="text">
 Browse and search an online version of Erskine May's treatise
on the law, privileges, proceedings
 </div>
 </div>
 </div>

</div>
</div>
</div>

```

```

 </div>
 </div>
 <div class="row">
 <div class="col-12">
 <div class="row"><div class="col-lg-4 content-block content-block-mp-
search">

```

```

<div class="widget widget-find-member">
 <div class="heading">
 <div class="icon-box">

 </div>
 <h2>Find Members of the House of Commons</h2>
 </div>
 <div class="content">
 <p class="p-standard">Enter your postcode to find the name and contact
details of your local MP.</p>
 <form action="/Search/MPSearch" method="post">
 <div class="form-
group">

```

```

 <label for="member-search-commons">Postcode, MP's name or
constituency</label>

```

```

 <div class="input-group">
 <input id="member-search-commons" placeholder="" name="q"
autocomplete="off" required="" type="text">

```

```

 <div class="input-group-append">
 <button type="submit" class="btn btn-primary">
 Search

```

```

 </button>
 </div>
</div>
 <a href="https://members.parliament.uk/members/commons"
class="d-inline-block margin-top-10">View all MPs
</div>
</form> </div>
</div></div><div class="col-lg-4 content-block content-block-lords-search">

<div class="widget widget-find-member">
 <div class="heading">
 <div class="icon-box">

 </div>
 <h2>Find Members of the House of Lords</h2>
 </div>
 <div class="content">
 <p>Enter a name or title to find details about a Member of the House of
Lords</p>
 <form action="/Search/LordSearch" method="post"> <div class="form-
group">

 <label for="member-search-lords">Name or title</label>

 <div class="input-group">
 <input id="member-search-lords" placeholder="" name="q"
autocomplete="off" required="" type="text">

 <div class="input-group-append">
 <button type="submit" class="btn btn-primary">
 Search
 </button>
 </div>
 </div>
 <a href="https://members.parliament.uk//members/lords" class="d-
inline-block margin-top-10">View all Members of the House of Lords
 </div>
 </form> </div>
</div></div><div class="col-lg-4 content-block content-block-social-
media"><div class="widget widget-social">
 <div class="heading no-icon">
 <h2>Follow Parliament on...</h2>
 </div>
 <div class="content">

 <a href="https://twitter.com/ukparliament" target="_blank"
rel="noopener">
 <svg><use xlink:href="#p-icon__twitter"></use></svg>
 Twitter

 </div>
</div>
</div>

```

```


 <a href="https://www.instagram.com/ukparliament/" target="_blank"
rel="noopener">
 <svg><use xlink:href="#p-icon__instagram"></use></svg>
 Instagram

 <a href="http://en-gb.facebook.com/pages/London-United-Kingdom/UK-
Parliament/16553417732" target="_blank" rel="noopener">
 <svg><use xlink:href="#p-icon__facebook"></use></svg>
 Facebook

 <a href="https://youtube.com/UKParliament" target="_blank"
rel="noopener">
 <svg><use xlink:href="#p-icon__youtube"></use></svg>
 YouTube

</div>
</div>
```

```
</div></div>
</div>
</div>
```

```
 </article>
</div>
</main>
```

```
<footer class="p-footer">
 <div class="container">
 <div class="row">
 <div class="col-md-12">
 <div class="p-footer__wrapper">
<div class="p-footer__panel p-footer__panel-top">
 <div class="p-footer__panel-top-col">
 <h6 class="p-footer__heading">Popular</h6>
 <ul class="p-footer__list">

 What's on in
Parliament

 Petitions

 Jobs at Parliament
```

```


 <a href="/mps-lords-and-offices/offices/commons/media-
relations-group/">Commons Media Relations

 Lords Press Office

 Contact us

</div>
<div class="p-footer__panel-top-col">
 <h6 class="p-footer__heading">Research</h6>
 <ul class="p-footer__list">

 Commons
Library

 Lords Library

 POST

</div>
</div>
<div class="p-footer__panel">
 <h6 class="p-footer__heading">Search Parliament</h6>
 <form action="/Search/Index" method="post">
 <div class="p-
footer__input-group">
 <input aria-label="Search UK Parliament" id="footer-search-box"
name="q" autocomplete="off" required="" type="text">
 <svg><use xlink:href="#p-icon__search"></use></svg>
 </div>
 </form>
 <h6 class="p-footer__heading">Watch Parliament Live</h6>

 Parliament Live TV

 <h6 class="p-footer__heading">Follow Parliament</h6>
 <div class="p-footer__social">

 <svg><use xlink:href="#p-icon__twitter"></use></svg>
 Twitter

 <svg><use xlink:href="#p-icon__instagram"></use></svg>
 Instagram

 <a href="http://en-gb.facebook.com/pages/London-United-Kingdom/UK-
Parliament/16553417732" target="_blank">
 <svg><use xlink:href="#p-icon__facebook"></use></svg>

```



```
<script type="text/javascript"
src="https://dl.episerver.net/13.4.8/epi-util/find.js"></script>
<script type="text/javascript">
if(FindApi){var api = new
FindApi();api.setApplicationUrl('/');api.setServiceApiBaseUrl('/find_v2/');api.proces
sEventFromCurrentUri();api.bindWindowEvents();api.bindAClickEvent();api.sendB
ufferedEvents();}
</script>
```

```
<svg xmlns="http://www.w3.org/2000/svg" style="display: none;">
```

```
<symbol id="p-icon__portcullis" viewBox="0 0 32 37"><path d="M32 2.462l-
3.693 9.846A46.17 46.17 0 0016 10.618c-4.264 0-8.388.608-12.307 1.69L0
2.462h2.899a7.055 7.055 0 00-.437 2.461l2.461-1.23v2.46H2.561c.35 2.124
1.585 3.693 3.054 3.693 1.1 0 2.06-.886 2.621-2.222a1.225 1.225 0 01-.156-
1.847 3.617 3.617 0 01-.685-1.7 3.67 3.67 0 01.873-2.868 3.669 3.669 0
011.568 2.555c.082.64-.01 1.26-.234 1.818a1.226 1.226 0 01.222
1.93c.339.409.757.722
1.227.906.06.027.123.047.184.069.062.019.12.044.184.058.164.042.332.07.50
4.07.012 0 .022-.005.034-.005.014 0 .028.005.043.005 1.7 0 3.077-1.653 3.077-
3.692V4.91a3.703 3.703 0 00-2.77 1.245V2.462a3.702 3.702 0 002.77
1.244v-.014h.01c0-1.58-.626-2.945-1.548-3.692h4.923c-.923.747-1.548 2.113-
1.548 3.692h.01v.014c1.108 0 2.091-.488 2.768-1.244v3.692a3.703 3.703 0 00-
2.768-1.245v.014c0 2.04 1.377 3.692 3.076 3.692.015 0 .029-.005.044-.005.01
0 .021.005.033.005.172
0 .34-.028.504-.07.064-.014.123-.04.185-.059.061-.022.123-.04.183-.068.47-.18
4.888-.497 1.227-.905a1.23 1.23 0 01.222-1.931 3.616 3.616 0 01-.234-1.818
3.668 3.668 0 011.569-2.555 3.669 3.669 0 01.872 2.868 3.617 3.617 0 01-.685
1.7 1.228 1.228 0 01-.156 1.847c.56 1.336 1.52 2.222 2.62 2.222 1.47 0 2.705-
1.569 3.055-3.692h-2.362V3.692l2.461 1.231c0-.901-.166-1.735-.437-
2.461H32zM2.461 13.535v23.384C1.03 36.92 0 35.852 0 34.458c0-.945.48-1.73
1.23-2.145v-1.865C.48 30.035 0 29.25 0 28.304c0-.945.48-1.73 1.23-2.145v-
1.864C.48 23.88 0 23.095 0 22.15c0-.945.48-1.73 1.23-2.144V18.14C.48 17.727
0 16.94 0 15.996c0-1.394 1.029-2.461 2.461-2.461zM30.77
18.14v1.864c.751.414 1.231 1.2 1.231 2.145 0 .945-.48 1.73-1.23
2.145v1.864c.75.414 1.23 1.2 1.23 2.145 0 .945-.48 1.73-1.23
2.144v1.865c.75.414 1.23 1.2 1.23 2.145 0 1.394-1.029 2.461-2.462
2.461V13.535c1.433 0 2.462 1.067 2.462 2.461 0 .945-.48 1.73-1.23 2.145zm-
6.153.32h-2.462V16h2.462v2.462zm0 4.924h-2.462v-2.462h2.462v2.462zm0
4.923h-2.462v-2.462h2.462v2.462zm-4.924-9.846h-2.461V16h2.461v2.462zm0
4.923h-2.461v-2.462h2.461v2.462zm0 4.923h-2.461v-2.462h2.461v2.462zm-
4.923-9.846h-2.461V16h2.461v2.462zm0 4.923h-2.461v-2.462h2.461v2.462zm0
4.923h-2.461v-2.462h2.461v2.462zm-4.923-9.846H7.385V16h2.461v2.462zm0
4.923H7.385v-2.462h2.461v2.462zm0 4.923H7.385v-2.462h2.461v2.462zm-
4.923-14.77v23.385l2.462-3.692v-2.462h2.461v2.462h-.615v.615l1.846 3.077
1.846-3.077v-.615h-.615v-2.462h2.461v2.462h-.615v.615l1.846 3.077
3.077v-.615h-.615v-2.462h2.461v2.462h-.615v.615l1.846 3.077 1.846-
3.077v-.615h-.615v-2.462h2.462v2.462l2.46
3.692V13.538H4.924z"></path></symbol>
```

```
<symbol id="p-icon__twitter" viewBox="0 0 31 26"><path d="M9.938
25.188c11.318 0 17.51-9.38 17.51-17.51 0-.264-.006-.534-.018-.797a12.5 12.5 0
```



0 0 3.07-3.187c-1.122.5-2.313.825-3.533.967a6.188 6.188 0 0 0 2.707-3.404  
12.371 12.371 0 0 1-3.907 1.494 6.163 6.163 0 0 0-10.493 5.612A17.48 17.48 0  
0 1 2.591 1.937a6.162 6.162 0 0 0 1.905 8.213 6.162 6.162 0 0 1-  
2.789-.768v.077a6.152 6.152 0 0 0 4.938 6.035 6.117 6.117 0 0 1-2.776.105  
6.167 6.167 0 0 0 5.746 4.278A12.344 12.344 0 0 1 .5 22.423a17.46 17.46 0 0 0  
9.438 2.765Z"></path></symbol>

<symbol id="p-icon\_instagram" viewBox="0 0 31 30"><path d="M15.5  
2.701c4.008 0 4.482.018 6.059.088 1.464.065 2.255.31 2.783.516.697.27  
1.201.597 1.723 1.119.527.527.85 1.025 1.119 1.722.205.528.45 1.325.515  
2.784.07 1.582.088 2.056.088 6.058 0 4.008-.017 4.483-.088 6.059-.064  
1.465-.31 2.256-.515 2.783a4.639 4.639 0 0 1-1.12 1.723 4.614 4.614 0 0 1-  
1.722 1.119c-.527.205-1.324.451-2.783.515-1.582.07-2.057.088-6.059.088-  
4.008 0-4.482-.017-6.059-.087-1.464-.065-2.255-.311-2.783-.516a4.64 4.64 0 0  
1-1.722-1.12 4.614 4.614 0 0 1-1.12-1.722c-.205-.527-.45-1.324-.515-2.783-.07-  
1.582-.088-2.057-.088-6.059 0-4.008.017-4.482.088-6.058.064-1.465.31-  
2.256.515-2.784a4.639 4.639 0 0 1 1.12-1.722 4.614 4.614 0 0 1 1.722-  
1.12c.528-.204 1.324-.45 2.783-.515 1.577-.07 2.051-.088 6.059-.088ZM15.5 0c-  
4.072 0-4.582.018-6.182.088-1.593.07-2.69.328-3.638.697A7.321 7.321 0 0 0  
3.02 2.52a7.35 7.35 0 0 0-1.735 2.654C9.16 6.129.658 7.219.588 8.812.518  
10.418.5 10.928.5 15c0 4.072.018 4.582.088 6.182.07 1.593.328 2.69.697  
3.638.387.99.897 1.828 1.735 2.66a7.333 7.333 0 0 0 2.654 1.729c.955.37  
2.045.627 3.638.697 1.6.07 2.11.088 6.182.088 4.072 0 4.582-.017 6.182-.088  
1.594-.07 2.69-.328 3.639-.697a7.334 7.334 0 0 0 2.654-1.729 7.334 7.334 0 0 0  
1.728-2.654c.37-.955.627-2.045.698-3.639.07-1.6.087-2.109.087-6.181s-.017-  
4.582-.087-6.182c-.07-1.594-.329-2.69-.698-3.638a7.026 7.026 0 0 0-1.716-  
2.666A7.333 7.333 0 0 0 25.325.79c-.955-.37-2.045-.627-3.639-.697C20.082.018  
19.572 0 15.5 0Z"></path><path d="M15.5 7.295A7.707 7.707 0 0 0 7.795  
15a7.707 7.707 0 0 0 7.705 7.705A7.707 7.707 0 0 0 23.205 15 7.707 7.707 0 0  
0 15.5 7.295Zm0 12.703a4.999 4.999 0 1 1 .001-9.997 4.999 4.999 0 0 1-.001  
9.997ZM25.309 6.99a1.8 1.8 0 1 1-3.599 0 1.8 1.8 0 0 1 3.599  
0Z"></path></symbol>

<symbol id="p-icon\_facebook" viewBox="0 0 30 30"><path d="M30 15c0-  
8.284-6.716-15-15-15C6.716 0 0 6.716 0 15c0 7.487 5.485 13.692 12.656  
14.818V19.336H8.848V15h3.808v-3.305c0-3.76 2.24-5.836 5.666-5.836 1.64 0  
3.358.293 3.358.293v3.692h-1.892c-1.863 0-2.444 1.156-2.444  
2.344V15h4.16l-.665 4.336h-3.495v10.482C24.514 28.692 30 22.487 30  
15Z"></path></symbol>

<symbol id="p-icon\_youtube" viewBox="0 0 30 22"><path d="M29.701  
5s-.293-2.068-1.195-2.977C27.363.828 26.086.823 25.5.752 21.305.447  
15.006.447 15.006.447h-.012S8.695.447 4.5.752c-.586.07-1.863.076-3.006  
1.271C.592 2.933.304 5 .304 5S0 7.432 0 9.857v2.274c0 2.426.299 4.857.299  
4.857s.293 2.069 1.19 2.977c1.142 1.195 2.642 1.154 3.31 1.283C7.2 21.477 15  
21.547 15 21.547s6.305-.012 10.5-.31c.586-.07 1.863-.077 3.006-  
1.272.902-.908 1.195-2.977 1.195-2.977S30 14.563 30 12.131V9.857C30 7.432  
29.701 5 29.701 5Zm-17.8 9.89V6.46l8.103 4.23-8.104  
4.2Z"></path></symbol>

<symbol id="p-icon\_search" viewBox="0 0 16 16"><path fill-rule="evenodd"  
clip-rule="evenodd" d="M6.394 12.568C2.863 12.568 0 9.755 0 6.284 0 2.814  
2.863 0 6.394 0c3.53 0 6.393 2.813 6.393 6.284a6.18 6.18 0 01-1.077  
3.492.53.53 0 00.055.676l3.622 3.56a.5.5 0 010 .714l-.417.41a.5.5 0 01-.7 0l-

3.646-3.584a.529.529 0 00-.663-.052 6.442 6.442 0 01-3.567 1.068zm4.794-6.284c0 2.603-2.147 4.713-4.795 4.713s-4.795-2.11-4.795-4.713S3.745 1.57 6.393 1.57s4.795 2.11 4.795 4.713z"></path></symbol>

</svg>

```
<script>(function()
{window['__CFcvparams']={r:'7344de7649a7888f',m:'jMmse03nOd2p4yNgYbl
NqRNSwrjM5eQLtTLwLKfol9w-1659422918-0-
AWYM9uJ9zzc3jLJ8exHZCdb67pLMoCcFd6RDxyjWI2PZdrG48AF53SnnrBJYiPEU9N2
eUP7c4uefMxLRFT9PwrKIUfimgpIOkkdV5Sn5xFVvLw6dSagbgWYQQYAUFU8JQ=
=',s:[0x77ae505695,0xb0f78dc79a],}}})();</script>
```

```
<div class="cookie-manager">
 <div class="cookie-manager-overlay"></div>
 <div class="cookie-preferences" id="cookiemodal" role="region"
tabindex="-1">
 <div class="cookie-preferences__header">
 <h2>Cookie settings</h2>
 <p>
 Cookies are small files saved on your phone, tablet or computer
when you visit
 a website. They store information about how you use the website,
such as the
 pages you visit. They are used to make websites work and improve
your
 experience.
 </p>
 <p>
 We use three types of cookies. You can choose which cookies you
are happy for
 us to use.
 </p>
 <p>
 Read our cookie
 policy for more information
 </p>
 </div>
 <div class="cookie-preferences__settings">
 <div>
 <h3>Essential cookies</h3>
 <p>
 These cookies always need to be on as they help to make our
website work.
 Essential cookies are a site's basic form of memory, so they do
things
 like remember if you are logged in to a part of the website.
 </p>
 <p>
 You may be able to block these cookies by changing the
preferences on
 your browser, but this can limit you from accessing our online
services.
 </p>
 </div>
 </div>
 </div>
</div>
```

```

 </p>
 </div>
 <div>
 <h3>Analytics cookies</h3>
 <div class="cookie-toggle">
 <input class="cookie-toggle__checkbox" data-cookiemanager-
toggle-type="0" data-cookiemanager-toggle-value="analytics"
id="Analyticstoggle" type="checkbox" aria-checked="false" aria-label="Toggle
for Analytics">
 <label aria-hidden="true" class="cookie-toggle__label"
for="Analyticstoggle">Off</label>

 </div>
 <p>
 We use analytics tools to collect data on how people use our
website
 to help make improvements.
 </p>
 <p>
 These cookies let us understand how people access our site,
where
 they are accessing from, what pages they visit and what
technology
 they are using.
 </p>
 </div>
 <div>
 <h3>Marketing cookies</h3>
 <div class="cookie-toggle">
 <input class="cookie-toggle__checkbox" data-cookiemanager-
toggle-type="1" data-cookiemanager-toggle-value="marketing"
id="Marketingtoggle" type="checkbox" aria-checked="false" aria-label="Toggle
for Marketing">
 <label aria-hidden="true" class="cookie-toggle__label"
for="Marketingtoggle">Off</label>

 </div>
 <p>
 These cookies may be set by third-party sites and help ensure our
marketing content is relevant, timely and interesting to you.
 </p>
 <p>
 It also helps to measure and improve the effectiveness of our
advertising campaigns.
 </p>
 </div>
 <div class="cookie-preferences__footer">
 <a id="modalsavepreferences" href="#" class="cookie-
manager__button">
 Save cookie settings

 </div>

```



(((((, #(((, #\*

Developers: Find useful resources including a directory of open data APIs which allow Parliamentary data to be shared publicly at the UK Parliament developer hub. <http://developer.parliament.uk>.

-->

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
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inline--fa{display:inline-block;font-
size:inherit;height:1em;overflow:visible;vertical-align:-.125em}.svg-inline--fa.fa-
lg{vertical-align:-.225em}.svg-inline--fa.fa-w-1{width:.0625em}.svg-inline--fa.fa-
w-2{width:.125em}.svg-inline--fa.fa-w-3{width:.1875em}.svg-inline--fa.fa-w-
4{width:.25em}.svg-inline--fa.fa-w-5{width:.3125em}.svg-inline--fa.fa-w-
6{width:.375em}.svg-inline--fa.fa-w-7{width:.4375em}.svg-inline--fa.fa-w-
8{width:.5em}.svg-inline--fa.fa-w-9{width:.5625em}.svg-inline--fa.fa-w-
10{width:.625em}.svg-inline--fa.fa-w-11{width:.6875em}.svg-inline--fa.fa-w-
12{width:.75em}.svg-inline--fa.fa-w-13{width:.8125em}.svg-inline--fa.fa-w-
14{width:.875em}.svg-inline--fa.fa-w-15{width:.9375em}.svg-inline--fa.fa-w-
16{width:1em}.svg-inline--fa.fa-w-17{width:1.0625em}.svg-inline--fa.fa-w-
18{width:1.125em}.svg-inline--fa.fa-w-19{width:1.1875em}.svg-inline--fa.fa-w-
20{width:1.25em}.svg-inline--fa.fa-pull-left{margin-right:.3em;width:auto}.svg-
inline--fa.fa-pull-right{margin-left:.3em;width:auto}.svg-inline--fa.fa-
border{height:1.5em}.svg-inline--fa.fa-li{width:2em}.svg-inline--fa.fa-
fw{width:1.25em}.fa-layers svg.svg-inline--
fa{bottom:0;left:0;margin:auto;position:absolute;right:0;top:0}.fa-
layers{display:inline-block;height:1em;position:relative;text-align:center;vertical-
align:-.125em;width:1em}.fa-layers svg.svg-inline--fa{-webkit-transform-
origin:center center;transform-origin:center center}.fa-layers-counter,.fa-layers-
text{display:inline-block;position:absolute;text-align:center}.fa-layers-
text{left:50%;top:50%;-webkit-transform:translate(-50%,-
50%);transform:translate(-50%,-50%);-webkit-transform-origin:center
center;transform-origin:center center}.fa-layers-counter{background-
color:#ff253a;border-radius:1em;-webkit-box-sizing:border-box;box-
sizing:border-box;color:#fff;height:1.5em;line-height:1;max-width:5em;min-
width:1.5em;overflow:hidden;padding:.25em;right:0;text-overflow:ellipsis;top:0;-
webkit-transform:scale(.25);transform:scale(.25);-webkit-transform-origin:top
right;transform-origin:top right}.fa-layers-bottom-
right{bottom:0;right:0;top:auto;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:bottom
right;transform-origin:bottom right}.fa-layers-bottom-
left{bottom:0;left:0;right:auto;top:auto;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:bottom
left;transform-origin:bottom left}.fa-layers-top-right{right:0;top:0;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:top
right;transform-origin:top right}.fa-layers-top-left{left:0;right:auto;top:0;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:top
left;transform-origin:top left}.fa-lg{font-size:1.333333333em;line-
height:.75em;vertical-align:-.0667em}.fa-xs{font-size:.75em}.fa-sm{font-
```

```

size:.875em}.fa-1x{font-size:1em}.fa-2x{font-size:2em}.fa-3x{font-
size:3em}.fa-4x{font-size:4em}.fa-5x{font-size:5em}.fa-6x{font-size:6em}.fa-
7x{font-size:7em}.fa-8x{font-size:8em}.fa-9x{font-size:9em}.fa-10x{font-
size:10em}.fa-fw{text-align:center;width:1.25em}.fa-ul{list-style-
type:none;margin-left:2.5em;padding-left:0}.fa-ul>li{position:relative}.fa-li{left:-
2em;position:absolute;text-align:center;width:2em;line-height:inherit}.fa-
border{border:solid .08em #eee;border-
radius:.1em;padding:.2em .25em .15em}.fa-pull-left{float:left}.fa-pull-
right{float:right}.fa.fa-pull-left,.fab.fa-pull-left,.fal.fa-pull-left,.far.fa-pull-
left,.fas.fa-pull-left{margin-right:.3em}.fa.fa-pull-right,.fab.fa-pull-right,.fal.fa-
pull-right,.far.fa-pull-right,.fas.fa-pull-right{margin-left:.3em}.fa-spin{-webkit-
animation:fa-spin 2s infinite linear;animation:fa-spin 2s infinite linear}.fa-pulse{-
webkit-animation:fa-spin 1s infinite steps(8);animation:fa-spin 1s infinite
steps(8)}@-webkit-keyframes fa-spin{0%{-webkit-
transform:rotate(0);transform:rotate(0)}100%{-webkit-
transform:rotate(360deg);transform:rotate(360deg)}}@keyframes fa-spin{0%{-
webkit-transform:rotate(0);transform:rotate(0)}100%{-webkit-
transform:rotate(360deg);transform:rotate(360deg)}}.fa-rotate-90{-webkit-
transform:rotate(90deg);transform:rotate(90deg)}.fa-rotate-180{-webkit-
transform:rotate(180deg);transform:rotate(180deg)}.fa-rotate-270{-webkit-
transform:rotate(270deg);transform:rotate(270deg)}.fa-flip-horizontal{-webkit-
transform:scale(-1,1);transform:scale(-1,1)}.fa-flip-vertical{-webkit-
transform:scale(1,-1);transform:scale(1,-1)}.fa-flip-both,.fa-flip-horizontal.fa-flip-
vertical{-webkit-transform:scale(-1,-1);transform:scale(-1,-1)}:root .fa-flip-
both,:root .fa-flip-horizontal,:root .fa-flip-vertical,:root .fa-rotate-180,:root .fa-
rotate-270,:root .fa-rotate-90{-webkit-filter:none;filter:none}.fa-
stack{display:inline-block;height:2em;position:relative;width:2.5em}.fa-stack-
1x,.fa-stack-2x{bottom:0;left:0;margin:auto;position:absolute;right:0;top:0}.svg-
inline--fa.fa-stack-1x{height:1em;width:1.25em}.svg-inline--fa.fa-stack-
2x{height:2em;width:2.5em}.fa-inverse{color:#fff}.sr-
only{border:0;clip:rect(0,0,0,0);height:1px;margin:-
1px;overflow:hidden;padding:0;position:absolute;width:1px}.sr-only-
focusable:active,.sr-only-
focusable:focus{clip:auto;height:auto;margin:0;overflow:visible;position:static;wi-
dth:auto}.svg-inline--fa .fa-primary{fill:var(--fa-primary-
color,currentColor);opacity:1;opacity:var(--fa-primary-opacity,1)}.svg-inline--
fa .fa-secondary{fill:var(--fa-secondary-
color,currentColor);opacity:.4;opacity:var(--fa-secondary-opacity,.4)}.svg-inline--
fa.fa-swap-opacity .fa-primary{opacity:.4;opacity:var(--fa-secondary-
opacity,.4)}.svg-inline--fa.fa-swap-opacity .fa-secondary{opacity:1;opacity:var(--
fa-primary-opacity,1)}.svg-inline--fa mask .fa-primary,.svg-inline--fa mask .fa-
secondary{fill:#000}.fad.fa-inverse{color:#fff}</style><link
href="/Content/img/favicon.ico" rel="shortcut icon" type="image/x-icon">

```

<title>Bills & legislation - UK Parliament</title>

<meta name="title" content="Bills & legislation - UK Parliament">

<meta name="description" content="Access legislative documents from the House of Commons and the House of Lords, including Public, Private and Hybrid Bills, Acts of Parliament and Statutory Instruments">

<link href="https://www.parliament.uk/business/bills-and-legislation/" rel="canonical">

```
<meta property="og:url" content="https://www.parliament.uk/business/bills-and-legislation/">
```

```
<meta property="og:title" content="Bills & legislation">
<meta property="og:image"
content="https://www.parliament.uk/content/img/opengraph-card.png">
<meta property="og:description" content="Access legislative documents from
the House of Commons and the House of Lords, including Public, Private and
Hybrid Bills, Acts of Parliament and Statutory Instruments">
```

```
<meta name="twitter:card" content="summary">
<meta name="twitter:title" content="Bills & legislation">
<meta name="twitter:description" content="Access legislative documents from
the House of Commons and the House of Lords, including Public, Private and
Hybrid Bills, Acts of Parliament and Statutory Instruments">
<meta name="twitter:image:src"
content="https://www.parliament.uk/content/img/opengraph-card.png">
```

```
<meta name="twitter:card" content="summary_large_image">
```

```
<link href="https://cookiemanager.parliament.uk/cookiemanager.css"
rel="stylesheet">
<script async="" src="https://www.googletagmanager.com/gtm.js?id=GTM-
5R2LVTL"></script><script
src="https://cookiemanager.parliament.uk/cookiemanager.bundle.js"
type="text/javascript"></script>
```

```
<!-- Google Tag Manager -->
<script type="text/javascript">(function(w,d,s,l,i){w[l]=w[l]||
[];w[l].push({'gtm.start':
new Date().getTime(),event:'gtm.js'});var f=d.getElementsByTagName(s)[0],
j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
'https://www.googletagmanager.com/gtm.js?
id='+i+dl;f.parentNode.insertBefore(j,f);
})(window,document,'script','dataLayer','GTM-5R2LVTL');</script>
<!-- End Google Tag Manager -->
```

```
<link href="/bundles/css?
v=cM0xoRHcW0X2ESU6HoCHulh3M4c3s09agmEyhXviUZA1" rel="stylesheet">
```

```
</head>
```

```

<body class="brand-standard">
 <div class="cookie-manager">
 <div id="cookiebanner" class="cookie-banner" role="region" aria-
label="Cookie banner">
 <div class="container">
 <div class="custom-container">
 <div class="text">
 <h2>Our use of cookies</h2>
 <p>
 We use essential cookies to make our site work.
 </p>
 <p>
 We'd like to use additional cookies to understand how you use
the site and improve our services.
 </p>
 <p>
 You can find details of these and all other cookies on our
 cookie policy.
 </p>
 </div>
 <div class="actions">
 <a id="allowall" href="#" class="cookie-
manager__button">Accept additional cookies
 <a id="rejectall" href="#" class="cookie-
manager__button">Reject additional cookies
 <a id="managesettings" href="#" data-cookie-manager-
open="">Cookie settings
 </div>
 </div>
 </div>
 </div>
 </div>
 <!-- Google Tag Manager (noscript) -->
 <noscript>
 <iframe src="https://www.googletagmanager.com/ns.html?id=GTM-
5R2LVTL" height="0" width="0"
style="display:none;visibility:hidden"></iframe>
 </noscript>
 <!-- End Google Tag Manager (noscript) -->

 <noscript>
 <div class="attention-banner">
 <div class="container">
 You appear to have JavaScript disabled in your browser settings. You may
find some parts of this website
 do not work properly without it enabled.
 </div>
 </div>
 </noscript>

```



```
<header class="">
 Skip to main content

 <div class="container">

 <svg aria-hidden="true" width="159" height="40" viewBox="0 0 159
40" fill="none" xmlns="http://www.w3.org/2000/svg">
 <path fill-rule="evenodd" clip-rule="evenodd" d="M30.3206
2.64567L30.723 2.43852C31.4274 2.68118 32.3803 3.0659 33.0728
3.37367L29.0007 12.4944C21.4732 9.15267 12.883 9.15267 5.35546
12.4944L1.29523 3.37367C2.00547 3.0659 2.95838 2.68118 3.66271
2.43852L4.06518 2.64567C3.57977 3.57761 3.47168 4.66063 3.76333
5.67013C4.26363 5.29241 4.61719 4.75264 4.76359 4.1431L5.14239
4.37393C5.47404 5.60261 6.00166 6.76977 6.70493 7.83046L6.59247
8.26252C6.17482 8.04855 5.71227 7.93698 5.243 7.93699C5.08234 7.93777
4.922 7.95162 4.76359 7.97843C5.17842 8.94052 6.10852 9.57921 7.1554
9.62089C8.20228 9.66256 9.1802 9.09981 9.6702 8.17374C9.33972 8.01835
9.09946 7.71912 9.01914 7.36288C8.96282 7.10204 9.01635 6.91096 9.06971
6.72052C9.12289 6.53069 9.1759 6.34149 9.11976 6.08444C9.01631 5.63616
8.60906 5.32453 8.14932 5.34188C7.68959 5.35923 7.30697 5.70066 7.23761
6.15546C6.82687 5.91468 6.59283 5.45774 6.63744 4.98372C6.68206 4.5097
6.99725 4.10445 7.4457 3.94453C7.89415 3.78461 8.39464 3.89897 8.72912
4.2378C8.55213 3.97332 8.4257 3.67832 8.35624 3.36775C8.19123 2.60116
8.37558 1.80089 8.85933 1.18375C9.55788 1.5425 10.061 2.19303 10.2325
2.95936C10.3028 3.27011 10.3148 3.59121 10.268 3.90635C10.4337 3.46345
10.8394 3.15543 11.3106 3.11493C11.7817 3.07442 12.2341 3.30867 12.4729
3.7168C12.7118 4.12494 12.6944 4.63408 12.4283 5.02499C12.1756 4.63717
11.6819 4.48525 11.2549 4.6639C10.8279 4.84255 10.5895 5.30076 10.6882
5.75299C10.7449 6.01837 10.8751 6.16958 11.0048 6.32015C11.1326 6.46845
11.2598 6.61612 11.3156 6.87163C11.3789 7.16536 11.3281 7.47217 11.1735
7.72984L11.1203 7.83638C12.0764 8.57116 13.3669 8.69911 14.4487
8.16638C15.5305 7.63364 16.2158 6.53271 16.2163 5.32684V5.03091C15.2387
5.1864 14.3443 5.67331 13.6831 6.40997L13.3457 6.0726V2.28463L13.689
1.94134C14.3496 2.67463 15.2416 3.15929 16.2163 3.31448C16.2167 1.967
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navigation-6" title="view Learning options">
 Learning

<li style="">

 Shop

<li class="more" style="display: list-item;">
 <a href="#" class="more-dropdown" title="view more navigation
options">
 More

 <div class="more-overlay">

 <!-- Populated via JS -->

 </div>

<li class="search">
 <div class="search-description">
 Or type a keyword to search
 </div>


```

```
<svg aria-hidden="true" data-icon="search" height="20" viewBox="0 0 20 20" width="20" xmlns="http://www.w3.org/2000/svg"><title>Search icon</title><g fill="#fff"><path d="M7.5 15C3.4 15 0 11.6 0 7.5 0 3.4 3.4 0 7.5 0 11.6 0 15 3.4 15 7.5 15 11.6 11.6 15 7.5 15ZM7.5 13C10.5 13 13 10.5 13 7.5 13 4.5 10.5 2 7.5 2 4.5 2 2 4.5 2 7.5 2 10.5 4.5 13 7.5 13Z"></path><polygon points="14.8 10.8 16.8 10.8 16.8 20.8 14.8 20.8" transform="translate(15.778175 15.778175)rotate(-45)translate(-15.778175 - 15.778175)"></polygon></g></svg>
```

```

<div class="search-overlay">
<form action="/Search/Index" class="form-slim" method="post">
<div class="form-group">
 <div class="input-group">
 <input aria-label="Search UK Parliament" placeholder="Search UK Parliament" id="search-box" name="q" autocomplete="off" required="" type="text">
 <div class="input-group-append">
 <button class="btn btn-primary" type="submit">Search</button>
 </div>
 </div>
 Close
</div>
</form>


```

```
Close
```

```
<div class="sub-navigation" id="sub-navigation-1" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Parliamentary business
 </div>
 <div class="description">
 Find out what's on today at the House of Commons and House of Lords. Track current bills, keep up with committees, watch live footage and follow topical issues.
 </div>

 Close

 Back

 Close

 </div>
<div class="items">
```

```
<div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 Parliamentary
business home

 House of
Commons

 House of Lords

 What's
on

 Bills &
legislation

 Committees

 Publications &
records

 Parliament
TV

 News from UK
Parliament

 </div>
</div>
<div class="featured">
 <div class="featured-title">
 Legislation and debate
 </div>

 <div class="featured-primary">


```



```

 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Hansard
 </div>
 <div class="secondary-info">
 Read transcripts of debates in both Houses.
 </div>
 </div>
 </div>

 <a class="card"
href="https://researchbriefings.parliament.uk/">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Research briefings
 </div>
 <div class="secondary-info">
 Produced by Commons Library, Lords Library,
and Parliamentary Office Science and Technology.
 </div>
 </div>
 </div>

</div>

<div class="featured-sub-title">
 Brexit research & analysis
</div>

<div class="featured-secondary">

 <a href="/business/publications/research/eu-
referendum/">Next steps for the UK leaving the EU

</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-2" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 MPs, Lords & offices
 </div>
 <div class="description">
 MPs and Members of the Lords sit in the two Chambers of
Parliament scrutinising the Government and debating legislation. Find Members
of Parliament (MPs) by postcode and constituency, and Members of the House of
Lords by name and party.

```

```

</div>

 Close

 Back

 Close

</div>
<div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 <a class="primary-link" href="/mps-lords-and-
offices/">MPs, Lords & offices home

 MPs

 Members of the House of
Lords

 Government & opposition

 Parliamentary offices

 <a href="/mps-lords-and-offices/members-
allowances/">Members' allowances

 <a href="/mps-lords-and-offices/standards-and-
financial-interests/">Standards and financial interests

 </div>
 </div>
 <div class="featured">

```

```

 <div class="featured-title">
 Members of Parliament
 </div>

 <div class="featured-primary">

 <a class="card"
href="https://members.parliament.uk/FindYourMP">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Find your MP
 </div>
 <div class="secondary-info">
 Search for Members by name, postcode, or
constituency
 </div>
 </div>
 </div>
 </div>
 <a class="card"
href="https://members.parliament.uk/members/Lords">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Search for Members of the House of Lords
 </div>
 <div class="secondary-info">
 Learn about their experience, knowledge and
interests.
 </div>
 </div>
 </div>
 </div>
 </div>

 </div>
</div>
<div class="sub-navigation" id="sub-navigation-3" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 About Parliament
 </div>
 <div class="description">
 Parliament examines what the Government is doing, makes new
laws, holds the power to set taxes and debates the issues of the day.
 </div>

 Close

```

```


 Back

 Close

</div>
<div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 About Parliament
home

 How Parliament works

 About MPs, Lords
& officers

 <a href="/about/independent-complaints-and-
grievance-scheme/">Independent Complaints and Grievance Scheme
(ICGS)

 Living Heritage

 Jobs at Parliament

 Frequently Asked
Questions

 Sustainability and
environmental performance in Parliament

 UK Parliament's
Modern Slavery Programme

 Parliament
and Women

```

```


</div>
</div>
<div class="featured">
 <div class="featured-title">
 Parliament's role
 </div>

 <div class="featured-primary">

 <a class="card" href="/about/working/workplace-equality-
networks/">

 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Workplace Equality Networks
 </div>
 <div class="secondary-info">
 Staff networks for people to discuss and
consider issues.
 </div>
 </div>
 </div>

 </div>

</div>

</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-4" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Get involved
 </div>
 <div class="description">
 Read about how to contact an MP or Lord, petition Parliament and
find out details of events in your area.
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">

```

```

<div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 Get
involved home

 <a href="/get-involved/contact-an-mp-or-
lord/">Contact an MP or a Member of the Lords

 Request a
workshop

 Join a
learning programme

 <a href="/get-involved/research-impact-at-the-uk-
parliament/">Research impact at the UK Parliament

 Have
your say: Laws & debates

 Watch Parliament at
work

 Y Gornel
Gymraeg

 </div>
</div>
<div class="featured">
 <div class="featured-title">
 Get involved with Parliament
 </div>

 <div class="featured-primary">

 <a class="card" href="/get-involved/contact-an-mp-or-
lord/">

```

```
<div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Contact an MP or Lord
 </div>
 <div class="secondary-info">
 Contact your MP or a Member of the House of
Lords about an issue that matters to you.
 </div>
```

```
</div>
</div>
</div>

<a class="card" href="https://parliament.us16.list-
manage.com/subscribe?
u=3ad7e4c57a864f07e4db008c4&id=26d0645ea9">
```

```
<div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Keep up to date
 </div>
 <div class="secondary-info">
 Sign up for the Your Parliament newsletter to
find out how you can get involved.
 </div>
```

```
</div>
</div>
</div>

```

```
</div>
```

```
<div class="featured-sub-title">
 It starts with action
</div>
```

```
<div class="featured-secondary">

 Sign or create
a petition
```

```


 <a
href="https://www.ukparliamentweek.org/en/about/?utm_campaign=0620-mar-
ee-
ukpw20nav&utm_medium=referral&utm_source=ukparliament">Sign
up to UK Parliament Week

```

```

</div>
</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-5" tabindex="-1">
 <div class="header">
```

```

Skip to next main navigation item
<div class="title">
 Visit Parliament
</div>
<div class="description">
 Find out how to take a tour in person, join an online event, book
tickets and plan a visit to UK Parliament.
</div>

 Close

 Back

 Close

</div>
<div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 Visit Parliament
home

 Tours

 Talks and
events

 <a href="/visiting/visiting-and-tours/watch-committees-
and-debates/">Watch debates and committees

 Plan your visit

 360° virtual tour

 Venue hire


```



```

Shop
 Parliament

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Keep up to date
 </div>

 <div class="featured-primary">

 <a class="card" href="https://parliament.us16.list-
manage.com/subscribe?
u=3ad7e4c57a864f07e4db008c4&id=e227b1ada0">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Visit newsletter
 </div>
 <div class="secondary-info">
 Sign up to our newsletter to receive the latest
news about visiting UK Parliament.
 </div>
 </div>
 </div>
 </div>

</div>

</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-6" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Learning
 </div>
 <div class="description">
 Your UK Parliament offers free, flexible support for teachers,
community groups, and home educators to spark engagement and active
citizenship.
 </div>

 Close

 Back


```

```

 Close

</div>
<div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 <a class="primary-link"
href="https://learning.parliament.uk/">Learning home

 <a href="https://learning.parliament.uk/contact-
us/">About UK Parliament education

 Teacher resources and lesson
plans

 <a href="https://learning.parliament.uk/teacher-
training/">CPD Training

 Outreach

 <a href="https://learning.parliament.uk/visit-
us/">Visit

 </div>
 </div>
<div class="featured">
 <div class="featured-title">
 Supporting teachers
 </div>

 <div class="featured-primary">

 <a class="card" href="https://learning.parliament.uk/visit-
us/">

 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Inspire your students
 </div>

```

```
<div class="secondary-info">
 Book a school visit, classroom workshop or
teacher-training session
</div>
</div>
</div>

<a class="card"
href="https://learning.parliament.uk/resources/?
_ga=2.258436490.1604750048.1581933597-713880572.1533658038">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Free teacher training resources
 </div>
 <div class="secondary-info">
 Access videos, worksheets, lesson plans and
games.
 </div>
 </div>
 </div>
</div>

</div>

<div class="featured-sub-title">
 Keep up to date
</div>

<div class="featured-secondary">

 <a
href="https://parliament.us16.list-manage.com/subscribe?
u=3ad7e4c57a864f07e4db008c4&id=68f219c688">Sign up to our
education newsletter

</div>
</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-7" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Shop
 </div>
 <div class="description">
 Shop
 </div>

 Close
```

```


 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 <a class="primary-link"
href="https://www.shop.parliament.uk/">Shop home

 </div>
 </div>
 <div class="featured">

 </div>
</div>
</div>
</nav>
</div>

 <div class="product-header">
 <div class="container">
 UK Parliament
 </div>
 </div>
</header>

 <div class="context-nav context-nav-brand" role="navigation" aria-
label="Breadcrumbs">
 <div class="container">

 <div class="breadcrumb breadcrumb-adaptive breadcrumb-touch
breadcrumb-loaded">

 UK Parliament
 Parliamentary
business
 Bills & legislation

```

```

 </div>
 </div>
 </div>
```

```
<main id="main-content">
```

```
 <div class="container">
 <article>
```

```
 <div class="block block-page">
<div class="article article-cms with-separator">
 <h1>Bills & legislation</h1>
```

```
 <div class="row">
 <div class="col-lg-8 primary-content">
```

```
 <div class="introduction">
```

```
<p>Bills and Legislation sets out the proposals for new laws, and plans to
change existing laws, that are presented for debate before Parliament. </p>
<p>Keep up to date with the progress of current and draft Bills before
Parliament; read the full texts of Acts of Parliament, and find out the details of
delegated legislation that change laws under existing Acts.
</p> </div>
```

```
 <div class="large-content-area">
 <div class="multi-block-list multi-block-list-2-col"><div class="multi-block
visible" data-content-block="content-block content-block-teaser tag-large-
content-area">
 <div class="multi-block-inner">
 <a href="https://bills.parliament.uk/" class="heading" style="height:
58px;">
 Bills before Parliament

 </div>
 <div class="content">
```

```

 <div class="text">
 <p>Full text of Public, Private and Hybrid Bills, plus their progress
 through Parliament; includes Acts passed this session</p>
 <ul class="square-bullets">
 <li
 id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
 Listing_repChildPages_ctl00_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
 s_ctl00_liItem"><a
 id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
 Listing_repChildPages_ctl00_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
 s_ctl00_hypRelatedLink" href="https://bills.parliament.uk/">Bills before
 Parliament
 <li
 id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
 Listing_repChildPages_ctl00_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
 s_ctl01_liItem"><a
 id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
 Listing_repChildPages_ctl00_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
 s_ctl01_hypRelatedLink"
 href="/business/bills-and-legislation/current-bills/previous-bills/">Bills in previous
 sessions
 <li
 id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
 Listing_repChildPages_ctl00_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
 s_ctl02_liItem"><a
 id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
 Listing_repChildPages_ctl00_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
 s_ctl02_hypRelatedLink" href="/business/bills-and-legislation/current-bills/public-
 bill-list/">Progress of Public Bills this session

 </div>
 </div>
</div>
<div class="multi-block visible" data-content-block="content-block
content-block-teaser tag-large-content-area">
 <div class="multi-block-inner">
 <a href="/business/bills-and-legislation/draft-bills/" class="heading"
 style="height: 58px;">
 Draft Bills

 <div class="content">

 <div class="text">
 <p>The Government publishes a number of Bills each session in
 draft form to enable consultation before a Bill is issued formally</p>
 <ul class="square-bullets">
 <li
 id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
 Listing_repChildPages_ctl01_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
 s_ctl00_liItem"><a
 id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
 Listing_repChildPages_ctl01_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink

```

```
s_ctl00_hypRelatedLink" href="/business/bills-and-legislation/draft-bills/">Draft
Bills before Parliament

id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
Listing_repChildPages_ctl01_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
s_ctl01_liItem"><a
id="ctl00_ctl00_FormContent_SiteSpecificPlaceholder_PageContent_ctrlChildPage
Listing_repChildPages_ctl01_ctrlSectionPromotion_ctlRelatedLinks_rptRelatedLink
s_ctl01_hypRelatedLink" href="/business/bills-and-legislation/draft-bills/previous-
sessions/">Draft Bills in previous sessions

</div>
</div>
</div>
</div><div class="multi-block visible" data-content-block="content-block
content-block-teaser tag-large-content-area">
<div class="multi-block-inner">
<a href="/business/bills-and-legislation/secondary-legislation/"
class="heading" style="height: 58px;">
Secondary Legislation

<div class="content">

<div class="text">
<p>Delegated legislation allows the Government to make changes
to the law using powers conferred by an Act of Parliament</p>
</div>
</div>
</div>
</div><div class="multi-block visible" data-content-block="content-block
content-block-teaser tag-large-content-area">
<div class="multi-block-inner">
<a href="/business/bills-and-legislation/acts-of-parliament/"
class="heading" style="height: 58px;">
Acts of Parliament

<div class="content">

<div class="text">
<p>Learn more about the full text of Public General Acts from 1988
and all Local (Private) Acts from 1991 as they were originally enacted</p>
</div>
</div>
</div>
</div></div>
</div>
<div class="col-lg-4 secondary-content">
```

```
 <div class="right-content-area">
 <div class="content-block content-block-teaser tag-right-content-area">
```

```
<div class="widget widget-teaser no-image">
 <div class="heading no-icon">
 <h2>How does a Bill become law?</h2>
 </div>
```

```
 <div class="content">
 <p>Our Passage of a Bill
 guide shows a Bill's journey through Parliament - find out what happens at each
 stage.</p>
```

```
 </div>
 </div></div><div class="content-block content-block-teaser tag-right-content-
 area">
```

```
<div class="widget widget-teaser no-image">
 <div class="heading no-icon">
 <h2>Bills v Acts</h2>
 </div>
```

```
 <div class="content">
 <p>A bill is a draft law; it becomes an Act if it is approved by a majority in
 the House of Commons and House of Lords, and formally agreed to by the
 reigning monarch (known as <a href="/site-information/glossary/royal-
 assent/">Royal Assent). An Act of Parliament is a law, enforced in all areas
 of the UK where it is applicable.</p>

 More about bills
 More about Acts

```

```
 </div>
 </div></div><div class="content-block content-block-teaser tag-right-content-
 area">
```

```
<div class="widget widget-teaser no-image">
 <div class="heading no-icon">
 <h2>Statutory Instruments</h2>
 </div>
```

```
 <div class="content">

```



```
<a href="https://statutoryinstruments.parliament.uk/" target="_blank"
rel="noopener">Find statutory instruments and follow their progress
Read about statutory
instruments and secondary legislation

```

```
</div>
</div></div>
</div>
```

```
</div>
</div>
</div>
</div>
</article>
</div>
</main>
```

```
<footer class="p-footer">
 <div class="container">
 <div class="row">
 <div class="col-md-12">
 <div class="p-footer__wrapper">
<div class="p-footer__panel p-footer__panel-top">
 <div class="p-footer__panel-top-col">
 <h6 class="p-footer__heading">Popular</h6>
 <ul class="p-footer__list">

 What's on in
Parliament

 Petitions

 Jobs at Parliament

 <a href="/mps-lords-and-offices/offices/commons/media-
relations-group/">Commons Media Relations

 Lords Press Office

 Contact us

 </div>
<div class="p-footer__panel-top-col">
 <h6 class="p-footer__heading">Research</h6>
 <ul class="p-footer__list">

```

```

 Commons
Library

 Lords Library

 POST

</div>
</div>
<div class="p-footer__panel">
 <h6 class="p-footer__heading">Search Parliament</h6>
 <form action="/Search/Index" method="post">
 <div class="p-
footer__input-group">
 <input aria-label="Search UK Parliament" id="footer-search-box"
name="q" autocomplete="off" required="" type="text">
 <svg><use xlink:href="#p-icon__search"></use></svg>
 </div>
 </form>
 <h6 class="p-footer__heading">Watch Parliament Live</h6>

 Parliament Live TV

 <h6 class="p-footer__heading">Follow Parliament</h6>
 <div class="p-footer__social">

 <svg><use xlink:href="#p-icon__twitter"></use></svg>
 Twitter

 <svg><use xlink:href="#p-icon__instagram"></use></svg>
 Instagram

 <a href="http://en-gb.facebook.com/pages/London-United-Kingdom/UK-
Parliament/16553417732" target="_blank">
 <svg><use xlink:href="#p-icon__facebook"></use></svg>
 Facebook

 <svg><use xlink:href="#p-icon__youtube"></use></svg>
 YouTube

 </div>
</div>
<div class="p-footer__panel">
 <h6 class="p-footer__heading">Legal</h6>
 <ul class="p-footer__list">

 Accessibility
statement

 Modern slavery statement

```



1.847 3.617 3.617 0 01-.685-1.7 3.67 3.67 0 01.873-2.868 3.669 3.669 0  
011.568 2.555c.082.64-.01 1.26-.234 1.818a1.226 1.226 0 01.222  
1.93c.339.409.757.722  
1.227.906.06.027.123.047.184.069.062.019.12.044.184.058.164.042.332.07.50  
4.07.012 0 .022-.005.034-.005.014 0 .028.005.043.005 1.7 0 3.077-1.653 3.077-  
3.692V4.91a3.703 3.703 0 00-2.77 1.245V2.462a3.702 3.702 0 002.77  
1.244v-.014h.01c0-1.58-.626-2.945-1.548-3.692h4.923c-.923.747-1.548 2.113-  
1.548 3.692h.01v.014c1.108 0 2.091-.488 2.768-1.244v3.692a3.703 3.703 0 00-  
2.768-1.245v.014c0 2.04 1.377 3.692 3.076 3.692.015 0 .029-.005.044-.005.01  
0 .021.005.033.005.172  
0 .34-.028.504-.07.064-.014.123-.04.185-.059.061-.022.123-.04.183-.068.47-.18  
4.888-.497 1.227-.905a1.23 1.23 0 01.222-1.931 3.616 3.616 0 01-.234-1.818  
3.668 3.668 0 011.569-2.555 3.669 3.669 0 01.872 2.868 3.617 3.617 0 01-.685  
1.7 1.228 1.228 0 01-.156 1.847c.56 1.336 1.52 2.222 2.62 2.222 1.47 0 2.705-  
1.569 3.055-3.692h-2.362V3.692I2.461 1.231c0-.901-.166-1.735-.437-  
2.461H32zM2.461 13.535v23.384C1.03 36.92 0 35.852 0 34.458c0-.945.48-1.73  
1.23-2.145v-1.865C.48 30.035 0 29.25 0 28.304c0-.945.48-1.73 1.23-2.145v-  
1.864C.48 23.88 0 23.095 0 22.15c0-.945.48-1.73 1.23-2.144V18.14C.48 17.727  
0 16.94 0 15.996c0-1.394 1.029-2.461 2.461-2.461zM30.77  
18.14v1.864c.751.414 1.231 1.2 1.231 2.145 0 .945-.48 1.73-1.23  
2.145v1.864c.75.414 1.23 1.2 1.23 2.145 0 .945-.48 1.73-1.23  
2.144v1.865c.75.414 1.23 1.2 1.23 2.145 0 1.394-1.029 2.461-2.462  
2.461V13.535c1.433 0 2.462 1.067 2.462 2.461 0 .945-.48 1.73-1.23 2.145zm-  
6.153.32h-2.462V16h2.462v2.462zm0 4.924h-2.462v-2.462h2.462v2.462zm0  
4.923h-2.462v-2.462h2.462v2.462zm-4.924-9.846h-2.461V16h2.461v2.462zm0  
4.923h-2.461v-2.462h2.461v2.462zm0 4.923h-2.461v-2.462h2.461v2.462zm-  
4.923-9.846h-2.461V16h2.461v2.462zm0 4.923h-2.461v-2.462h2.461v2.462zm0  
4.923H7.385v-2.462h2.461v2.462zm0 4.923H7.385v-2.462h2.461v2.462zm-  
4.923-14.77v23.385I2.462-3.692v-2.462h2.461v2.462h-.615v.615I1.846 3.077  
1.846-3.077v-.615h-.615v-2.462h2.461v2.462h-.615v.615L16 36.923I1.846-  
3.077v-.615h-.615v-2.462h2.461v2.462h-.615v.615I1.846 3.077 1.846-  
3.077v-.615h-.615v-2.462h2.462v2.462I2.46  
3.692V13.538H4.924z"></path></symbol>

<symbol id="p-icon\_\_twitter" viewBox="0 0 31 26"><path d="M9.938  
25.188c11.318 0 17.51-9.38 17.51-17.51 0-.264-.006-.534-.018-.797a12.5 12.5 0  
0 0 3.07-3.187c-1.122.5-2.313.825-3.533.967a6.188 6.188 0 0 0 2.707-3.404  
12.371 12.371 0 0 1-3.907 1.494 6.163 6.163 0 0 0-10.493 5.612A17.48 17.48 0  
0 1 2.591 1.937a6.162 6.162 0 0 0 1.905 8.213 6.162 6.162 0 0 1-  
2.789-.768v.077a6.152 6.152 0 0 0 4.938 6.035 6.117 6.117 0 0 1-2.776.105  
6.167 6.167 0 0 0 5.746 4.278A12.344 12.344 0 0 1 .5 22.423a17.46 17.46 0 0 0  
9.438 2.765Z"></path></symbol>

<symbol id="p-icon\_\_instagram" viewBox="0 0 31 30"><path d="M15.5  
2.701c4.008 0 4.482.018 6.059.088 1.464.065 2.255.31 2.783.516.697.27  
1.201.597 1.723 1.119.527.527.85 1.025 1.119 1.722.205.528.45 1.325.515  
2.784.07 1.582.088 2.056.088 6.058 0 4.008-.017 4.483-.088 6.059-.064  
1.465-.31 2.256-.515 2.783a4.639 4.639 0 0 1-1.12 1.723 4.614 4.614 0 0 1-  
1.722 1.119c-.527.205-1.324.451-2.783.515-1.582.07-2.057.088-6.059.088-  
4.008 0-4.482-.017-6.059-.087-1.464-.065-2.255-.311-2.783-.516a4.64 4.64 0 0  
1-1.722-1.12 4.614 4.614 0 0 1-1.12-1.722c-.205-.527-.45-1.324-.515-2.783-.07-  
1.582-.088-2.057-.088-6.059 0-4.008.017-4.482.088-6.058.064-1.465.31-  
2.256.515-2.784a4.639 4.639 0 0 1 1.12-1.722 4.614 4.614 0 0 1 1.722-

```
1.12c.528-.204 1.324-.45 2.783-.515 1.577-.07 2.051-.088 6.059-.088ZM15.5 0c-
4.072 0-4.582.018-6.182.088-1.593.07-2.69.328-3.638.697A7.321 7.321 0 0 0
3.02 2.52a7.35 7.35 0 0 0-1.735 2.654C9.16 6.129.658 7.219.588 8.812.518
10.418.5 10.928.5 15c0 4.072.018 4.582.088 6.182.07 1.593.328 2.69.697
3.638.387.99.897 1.828 1.735 2.66a7.333 7.333 0 0 0 2.654 1.729c.955.37
2.045.627 3.638.697 1.6.07 2.11.088 6.182.088 4.072 0 4.582-.017 6.182-.088
1.594-.07 2.69-.328 3.639-.697a7.334 7.334 0 0 0 2.654-1.729 7.334 7.334 0 0 0
1.728-2.654c.37-.955.627-2.045.698-3.639.07-1.6.087-2.109.087-6.181s-.017-
4.582-.087-6.182c-.07-1.594-.329-2.69-.698-3.638a7.026 7.026 0 0 0-1.716-
2.666A7.333 7.333 0 0 0 25.325.79c-.955-.37-2.045-.627-3.639-.697C20.082.018
19.572 0 15.5 0Z"></path><path d="M15.5 7.295A7.707 7.707 0 0 0 7.795
15a7.707 7.707 0 0 0 7.705 7.705A7.707 7.707 0 0 0 23.205 15 7.707 7.707 0 0
0 15.5 7.295Zm0 12.703a4.999 4.999 0 1 1 .001-9.997 4.999 4.999 0 0 1-.001
9.997ZM25.309 6.99a1.8 1.8 0 1 1-3.599 0 1.8 1.8 0 0 1 3.599
0Z"></path></symbol>
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```
<symbol id="p-icon_facebook" viewBox="0 0 30 30"><path d="M30 15c0-
8.284-6.716-15-15-15C6.716 0 0 6.716 0 15c0 7.487 5.485 13.692 12.656
14.818V19.336H8.848V15h3.808v-3.305c0-3.76 2.24-5.836 5.666-5.836 1.64 0
3.358.293 3.358.293v3.692h-1.892c-1.863 0-2.444 1.156-2.444
2.344V15h4.16l-.665 4.336h-3.495v10.482C24.514 28.692 30 22.487 30
15Z"></path></symbol>
```

```
<symbol id="p-icon_youtube" viewBox="0 0 30 22"><path d="M29.701
5s-.293-2.068-1.195-2.977C27.363.828 26.086.823 25.5.752 21.305.447
15.006.447 15.006.447h-.012S8.695.447 4.5.752c-.586.07-1.863.076-3.006
1.271C.592 2.933.304 5 .304 5S0 7.432 0 9.857v2.274c0 2.426.299 4.857.299
4.857s.293 2.069 1.19 2.977c1.142 1.195 2.642 1.154 3.31 1.283C7.2 21.477 15
21.547 15 21.547s6.305-.012 10.5-.31c.586-.07 1.863-.077 3.006-
1.272.902-.908 1.195-2.977 1.195-2.977S30 14.563 30 12.131V9.857C30 7.432
29.701 5 29.701 5Zm-17.8 9.89V6.46l8.103 4.23-8.104
4.2Z"></path></symbol>
```

```
<symbol id="p-icon_search" viewBox="0 0 16 16"><path fill-rule="evenodd"
clip-rule="evenodd" d="M6.394 12.568C2.863 12.568 0 9.755 0 6.284 0 2.814
2.863 0 6.394 0c3.53 0 6.393 2.813 6.393 6.284a6.18 6.18 0 01-1.077
3.492.53.53 0 00.055.676l3.622 3.56a.5.5 0 010 .714l-.417.41a.5.5 0 01-.7 0l-
3.646-3.584a.529.529 0 00-.663-.052 6.442 6.442 0 01-3.567 1.068zm4.794-
6.284c0 2.603-2.147 4.713-4.795 4.713s-4.795-2.11-4.795-4.713S3.745 1.57
6.393 1.57s4.795 2.11 4.795 4.713z"></path></symbol>
```

```
</svg>
```

```
<div class="cookie-manager">
 <div class="cookie-manager-overlay"></div>
 <div class="cookie-preferences" id="cookiemodal" role="region"
tabindex="-1">
 <div class="cookie-preferences__header">
 <h2>Cookie settings</h2>
 <p>
 Cookies are small files saved on your phone, tablet or computer
 when you visit
```

a website. They store information about how you use the website, such as the pages you visit. They are used to make websites work and improve your experience.

We use three types of cookies. You can choose which cookies you are happy for us to use.

Read our [cookie policy](https://www.parliament.uk/site-information/privacy/) for more information

**Essential cookies**

These cookies always need to be on as they help to make our website work.

Essential cookies are a site's basic form of memory, so they do things like remember if you are logged in to a part of the website.

You may be able to block these cookies by changing the preferences on your browser, but this can limit you from accessing our online services.

**Analytics cookies**

☐ Toggle for Analytics

Off

We use analytics tools to collect data on how people use our website to help make improvements.

These cookies let us understand how people access our site, where

they are accessing from, what pages they visit and what technology they are using.

```

</p>
</div>
<div>
 <h3>Marketing cookies</h3>
 <div class="cookie-toggle">
 <input class="cookie-toggle__checkbox" data-cookiemanager-
toggle-type="1" data-cookiemanager-toggle-value="marketing"
id="Marketingtoggle" type="checkbox" aria-checked="false" aria-label="Toggle
for Marketing">
 <label aria-hidden="true" class="cookie-toggle__label"
for="Marketingtoggle">Off</label>

 </div>
 <p>
 These cookies may be set by third-party sites and help ensure our
 marketing content is relevant, timely and interesting to you.
 </p>
 <p>
 It also helps to measure and improve the effectiveness of our
 advertising campaigns.
 </p>
</div>
</div>
<div class="cookie-preferences__footer">
 <a id="modalsavepreferences" href="#" class="cookie-
manager__button">
 Save cookie settings

 <a id="closemodal" href="#" class="cookie-preferences__close-
modal">
 Close cookie settings

</div>
</div>
<div class="primary-nav-overlay"></div></body></html><html
lang="en"><head>
 <meta charset="utf-8">

 <!--

```

WELCOME TO UK PARLIAMENT  
<https://www.parliament.uk>

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(.....
(.....
.((((((((/

```

[illegible] $\rightarrow$ 

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<style type="text/css">svg:not(:root).svg-inline--fa{overflow:visible}.svg-
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size:inherit;height:1em;overflow:visible;vertical-align:-.125em}.svg-inline--fa.fa-
lg{vertical-align:-.225em}.svg-inline--fa.fa-w-1{width:.0625em}.svg-inline--fa.fa-
w-2{width:.125em}.svg-inline--fa.fa-w-3{width:.1875em}.svg-inline--fa.fa-w-
4{width:.25em}.svg-inline--fa.fa-w-5{width:.3125em}.svg-inline--fa.fa-w-
6{width:.375em}.svg-inline--fa.fa-w-7{width:.4375em}.svg-inline--fa.fa-w-
8{width:.5em}.svg-inline--fa.fa-w-9{width:.5625em}.svg-inline--fa.fa-w-
10{width:.625em}.svg-inline--fa.fa-w-11{width:.6875em}.svg-inline--fa.fa-w-
12{width:.75em}.svg-inline--fa.fa-w-13{width:.8125em}.svg-inline--fa.fa-w-
```



```

14{width:.875em}.svg-inline--fa.fa-w-15{width:.9375em}.svg-inline--fa.fa-w-
16{width:1em}.svg-inline--fa.fa-w-17{width:1.0625em}.svg-inline--fa.fa-w-
18{width:1.125em}.svg-inline--fa.fa-w-19{width:1.1875em}.svg-inline--fa.fa-w-
20{width:1.25em}.svg-inline--fa.fa-pull-left{margin-right:.3em;width:auto}.svg-
inline--fa.fa-pull-right{margin-left:.3em;width:auto}.svg-inline--fa.fa-
border{height:1.5em}.svg-inline--fa.fa-li{width:2em}.svg-inline--fa.fa-
fw{width:1.25em}.fa-layers svg.svg-inline--
fa{bottom:0;left:0;margin:auto;position:absolute;right:0;top:0}.fa-
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align:-.125em;width:1em}.fa-layers svg.svg-inline--fa{-webkit-transform-
origin:center center;transform-origin:center center}.fa-layers-counter,.fa-layers-
text{display:inline-block;position:absolute;text-align:center}.fa-layers-
text{left:50%;top:50%;-webkit-transform:translate(-50%,-
50%);transform:translate(-50%,-50%);-webkit-transform-origin:center
center;transform-origin:center center}.fa-layers-counter{background-
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sizing:border-box;color:#fff;height:1.5em;line-height:1;max-width:5em;min-
width:1.5em;overflow:hidden;padding:.25em;right:0;text-overflow:ellipsis;top:0;-
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right;transform-origin:top right}.fa-layers-bottom-
right{bottom:0;right:0;top:auto;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:bottom
right;transform-origin:bottom right}.fa-layers-bottom-
left{bottom:0;left:0;right:auto;top:auto;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:bottom
left;transform-origin:bottom left}.fa-layers-top-right{right:0;top:0;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:top
right;transform-origin:top right}.fa-layers-top-left{left:0;right:auto;top:0;-webkit-
transform:scale(.25);transform:scale(.25);-webkit-transform-origin:top
left;transform-origin:top left}.fa-lg{font-size:1.333333333em;line-
height:.75em;vertical-align:-.0667em}.fa-xs{font-size:.75em}.fa-sm{font-
size:.875em}.fa-1x{font-size:1em}.fa-2x{font-size:2em}.fa-3x{font-
size:3em}.fa-4x{font-size:4em}.fa-5x{font-size:5em}.fa-6x{font-size:6em}.fa-
7x{font-size:7em}.fa-8x{font-size:8em}.fa-9x{font-size:9em}.fa-10x{font-
size:10em}.fa-fw{text-align:center;width:1.25em}.fa-ul{list-style-
type:none;margin-left:2.5em;padding-left:0}.fa-ul>li{position:relative}.fa-li{left:-
2em;position:absolute;text-align:center;width:2em;line-height:inherit}.fa-
border{border:solid .08em #eee;border-
radius:.1em;padding:.2em .25em .15em}.fa-pull-left{float:left}.fa-pull-
right{float:right}.fa.fa-pull-left,.fab.fa-pull-left,.fal.fa-pull-left,.far.fa-pull-
left,.fas.fa-pull-left{margin-right:.3em}.fa.fa-pull-right,.fab.fa-pull-right,.fal.fa-
pull-right,.far.fa-pull-right,.fas.fa-pull-right{margin-left:.3em}.fa-spin{-webkit-
animation:fa-spin 2s infinite linear;animation:fa-spin 2s infinite linear}.fa-pulse{-
webkit-animation:fa-spin 1s infinite steps(8);animation:fa-spin 1s infinite
steps(8)}@-webkit-keyframes fa-spin{0%{-webkit-
transform:rotate(0);transform:rotate(0)}100%{-webkit-
transform:rotate(360deg);transform:rotate(360deg)}}@keyframes fa-spin{0%{-
webkit-transform:rotate(0);transform:rotate(0)}100%{-webkit-
transform:rotate(360deg);transform:rotate(360deg)}}.fa-rotate-90{-webkit-
transform:rotate(90deg);transform:rotate(90deg)}.fa-rotate-180{-webkit-
transform:rotate(180deg);transform:rotate(180deg)}.fa-rotate-270{-webkit-
transform:rotate(270deg);transform:rotate(270deg)}.fa-flip-horizontal{-webkit-
transform:scale(-1,1);transform:scale(-1,1)}.fa-flip-vertical{-webkit-
transform:scale(1,-1);transform:scale(1,-1)}.fa-flip-both,.fa-flip-horizontal,.fa-flip-

```

```
vertical{-webkit-transform:scale(-1,-1);transform:scale(-1,-1)}:root .fa-flip-both,:root .fa-flip-horizontal,:root .fa-flip-vertical,:root .fa-rotate-180,:root .fa-rotate-270,:root .fa-rotate-90{-webkit-filter:none;filter:none}.fa-stack{display:inline-block;height:2em;position:relative;width:2.5em}.fa-stack-1x,.fa-stack-2x{bottom:0;left:0;margin:auto;position:absolute;right:0;top:0}.svg-inline--fa.fa-stack-1x{height:1em;width:1.25em}.svg-inline--fa.fa-stack-2x{height:2em;width:2.5em}.fa-inverse{color:#fff}.sr-only{border:0;clip:rect(0,0,0,0);height:1px;margin:-1px;overflow:hidden;padding:0;position:absolute;width:1px}.sr-only-focusable:active,.sr-only-focusable:focus{clip:auto;height:auto;margin:0;overflow:visible;position:static;width:auto}.svg-inline--fa .fa-primary{fill:var(--fa-primary-color,currentColor);opacity:1;opacity:var(--fa-primary-opacity,1)}.svg-inline--fa .fa-secondary{fill:var(--fa-secondary-color,currentColor);opacity:.4;opacity:var(--fa-secondary-opacity,.4)}.svg-inline--fa.fa-swap-opacity .fa-primary{opacity:.4;opacity:var(--fa-secondary-opacity,.4)}.svg-inline--fa.fa-swap-opacity .fa-secondary{opacity:1;opacity:var(--fa-primary-opacity,1)}.svg-inline--fa mask .fa-primary,.svg-inline--fa mask .fa-secondary{fill:#000}.fad.fa-inverse{color:#fff}</style><link href="/Content/img/favicon.ico" rel="shortcut icon" type="image/x-icon">
```

<title>Parliamentary offices - UK Parliament</title>

<meta name="title" content="Parliamentary offices - UK Parliament">

<meta name="description" content="Departments and offices provide support to MPs and Members of the House of Lords so that they can carry out their duties">

<link href="https://www.parliament.uk/mps-lords-and-offices/offices/" rel="canonical">

<meta property="og:url" content="https://www.parliament.uk/mps-lords-and-offices/offices/">

<meta property="og:title" content="Offices">

<meta property="og:image"

content="https://www.parliament.uk/content/img/opengraph-card.png">

<meta name="twitter:card" content="summary">

<meta name="twitter:title" content="Offices">

<meta name="twitter:image:src"

content="https://www.parliament.uk/content/img/opengraph-card.png">

<meta name="twitter:card" content="summary\_large\_image">

```
<link href="https://cookiemanager.parliament.uk/cookiemanager.css"
rel="stylesheet">
<script async="" src="https://www.googletagmanager.com/gtm.js?id=GTM-
5R2LVTL"></script><script
src="https://cookiemanager.parliament.uk/cookiemanager.bundle.js"
type="text/javascript"></script>
```

```
<!-- Google Tag Manager -->
<script type="text/javascript">(function(w,d,s,l,i){w[l]=w[l]||
[];w[l].push({'gtm.start':
new Date().getTime(),event:'gtm.js'});var f=d.getElementsByTagName(s)[0],
j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
'https://www.googletagmanager.com/gtm.js?
id='+i+dl;f.parentNode.insertBefore(j,f);
})(window,document,'script','dataLayer','GTM-5R2LVTL');</script>
<!-- End Google Tag Manager -->
```

```
<link href="/bundles/css?
v=cM0xoRHcW0X2ESU6HoCHulh3M4c3s09agmEyhXviUZA1" rel="stylesheet">
```

```
</head>
```

```
<body class="brand-standard">
<div class="cookie-manager">
<div id="cookiebanner" class="cookie-banner" role="region" aria-
label="Cookie banner">
<div class="container">
<div class="custom-container">
<div class="text">
<h2>Our use of cookies</h2>
<p>
We use essential cookies to make our site work.
</p>
<p>
We'd like to use additional cookies to understand how you use
the site and improve our services.
</p>
<p>
You can find details of these and all other cookies on our
cookie policy.
</p>
</div>
<div class="actions">
<a id="allowall" href="#" class="cookie-
manager__button">Accept additional cookies
```

```

 <a id="rejectall" href="#" class="cookie-
manager__button">Reject additional cookies
 <a id="managesettings" href="#" data-cookie-manager-
open="">Cookie settings
 </div>
</div>
</div>
</div>
<!-- Google Tag Manager (noscript) -->
<noscript>
 <iframe src="https://www.googletagmanager.com/ns.html?id=GTM-
5R2LVTL" height="0" width="0"
style="display:none;visibility:hidden"></iframe>
</noscript>
<!-- End Google Tag Manager (noscript) -->

<noscript>
 <div class="attention-banner">
 <div class="container">
 You appear to have JavaScript disabled in your browser settings. You may
 find some parts of this website
 do not work properly without it enabled.
 </div>
 </div>
</noscript>

```

```

<header class="">
 Skip to main content

 <div class="container">

 <svg aria-hidden="true" width="159" height="40" viewBox="0 0 159
 40" fill="none" xmlns="http://www.w3.org/2000/svg">
 <path fill-rule="evenodd" clip-rule="evenodd" d="M30.3206
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 3.37367L29.0007 12.4944C21.4732 9.15267 12.883 9.15267 5.35546
 12.4944L1.29523 3.37367C2.00547 3.0659 2.95838 2.68118 3.66271
 2.43852L4.06518 2.64567C3.57977 3.57761 3.47168 4.66063 3.76333
 5.67013C4.26363 5.29241 4.61719 4.75264 4.76359 4.1431L5.14239
 4.37393C5.47404 5.60261 6.00166 6.76977 6.70493 7.83046L6.59247
 8.26252C6.17482 8.04855 5.71227 7.93698 5.243 7.93699C5.08234 7.93777
 4.922 7.95162 4.76359 7.97843C5.17842 8.94052 6.10852 9.57921 7.1554
 9.62089C8.20228 9.66256 9.1802 9.09981 9.6702 8.17374C9.33972 8.01835
 9.09946 7.71912 9.01914 7.36288C8.96282 7.10204 9.01635 6.91096 9.06971
 6.72052C9.12289 6.53069 9.1759 6.34149 9.11976 6.08444C9.01631 5.63616

```

8.60906 5.32453 8.14932 5.34188C7.68959 5.35923 7.30697 5.70066 7.23761  
6.15546C6.82687 5.91468 6.59283 5.45774 6.63744 4.98372C6.68206 4.5097  
6.99725 4.10445 7.4457 3.94453C7.89415 3.78461 8.39464 3.89897 8.72912  
4.2378C8.55213 3.97332 8.4257 3.67832 8.35624 3.36775C8.19123 2.60116  
8.37558 1.80089 8.85933 1.18375C9.55788 1.5425 10.061 2.19303 10.2325  
2.95936C10.3028 3.27011 10.3148 3.59121 10.268 3.90635C10.4337 3.46345  
10.8394 3.15543 11.3106 3.11493C11.7817 3.07442 12.2341 3.30867 12.4729  
3.7168C12.7118 4.12494 12.6944 4.63408 12.4283 5.02499C12.1756 4.63717  
11.6819 4.48525 11.2549 4.6639C10.8279 4.84255 10.5895 5.30076 10.6882  
5.75299C10.7449 6.01837 10.8751 6.16958 11.0048 6.32015C11.1326 6.46845  
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</a>

</li>

<li style="">

<a href="#" class="with-children" data-sub-navigation-id="sub-navigation-2" title="view MPs, Lords & offices options">

MPs, Lords & offices

</a>

</li>

<li style="">

<a href="#" class="with-children" data-sub-navigation-id="sub-navigation-3" title="view About options">

About

</a>

</li>

<li style="">

<a href="#" class="with-children" data-sub-navigation-id="sub-navigation-4" title="view Get involved options">

Get involved

</a>

</li>

<li style="">

<a href="#" class="with-children" data-sub-navigation-id="sub-navigation-5" title="view Visit options">

Visit

</a>

```


 <li style="">
 <a href="#" class="with-children" data-sub-navigation-id="sub-
navigation-6" title="view Learning options">
 Learning

 <li style="">

 Shop

 <li class="more" style="display: list-item;">
 <a href="#" class="more-dropdown" title="view more navigation
options">
 More

 <div class="more-overlay">

 <!-- Populated via JS -->

 </div>

 <li class="search">
 <div class="search-description">
 Or type a keyword to search
 </div>

 <svg aria-hidden="true" data-icon="search" height="20" viewBox="0
0 20 20" width="20" xmlns="http://www.w3.org/2000/svg"><title>Search
icon</title><g fill="#fff"><path d="M7.5 15C3.4 15 0 11.6 0 7.5 0 3.4 3.4 0 7.5
0 11.6 0 15 3.4 15 7.5 15 11.6 11.6 15 7.5 15ZM7.5 13C10.5 13 13 10.5 13 7.5
13 4.5 10.5 2 7.5 2 4.5 2 2 4.5 2 7.5 2 10.5 4.5 13 7.5 13Z"></path><polygon
points="14.8 10.8 16.8 10.8 16.8 20.8 14.8 20.8"
transform="translate(15.778175 15.778175)rotate(-45)translate(-15.778175 -
15.778175)"></polygon></g></svg>

 <div class="search-overlay">
<form action="/Search/Index" class="form-slim" method="post">
<div class="form-group">
 <div class="input-group">
 <input aria-label="Search UK Parliament" placeholder="Search
UK Parliament" id="search-box" name="q" autocomplete="off" required=""
type="text">
 <div class="input-group-append">
 <button class="btn btn-primary"
type="submit">Search</button>
 </div>
 </div>
 Close
 </div>
 </form>


```

`<a href="#" class="close-navigation">Close</a>`

```
<div class="sub-navigation" id="sub-navigation-1" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Parliamentary business
 </div>
 <div class="description">
 Find out what's on today at the House of Commons and House of
 Lords. Track current bills, keep up with committees, watch live footage and
 follow topical issues.
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 Parliamentary
business home

 House of
Commons

 House of Lords

 What's
on

 Bills &
legislation

 </div>
 </div>
 </div>
</div>
```

```


 Committees

 Publications &
records

 Parliament
TV

 News from UK
Parliament

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Legislation and debate
 </div>

 <div class="featured-primary">

 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Hansard
 </div>
 <div class="secondary-info">
 Read transcripts of debates in both Houses.
 </div>
 </div>
 </div>

 <a class="card"
href="https://researchbriefings.parliament.uk/">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Research briefings
 </div>
 <div class="secondary-info">
 Produced by Commons Library, Lords Library,
and Parliamentary Office Science and Technology.
 </div>
 </div>
 </div>

 </div>

```

```

 </div>

 <div class="featured-sub-title">
 Brexit research & analysis
 </div>

 <div class="featured-secondary">

 Next steps for the UK leaving the EU

 </div>
</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-2" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 MPs, Lords & offices
 </div>
 <div class="description">
 MPs and Members of the Lords sit in the two Chambers of Parliament scrutinising the Government and debating legislation. Find Members of Parliament (MPs) by postcode and constituency, and Members of the House of Lords by name and party.
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 MPs, Lords & offices home


```

```

 MPs

 Members of the House of
Lords

 Government & opposition

 Parliamentary offices

 <a href="/mps-lords-and-offices/members-
allowances/">Members' allowances

 <a href="/mps-lords-and-offices/standards-and-
financial-interests/">Standards and financial interests

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Members of Parliament
 </div>

 <div class="featured-primary">

 <a class="card"
href="https://members.parliament.uk/FindYourMP">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Find your MP
 </div>
 <div class="secondary-info">
 Search for Members by name, postcode, or
constituency
 </div>
 </div>
 </div>
 </div>
 </div>
</div>
<a class="card"
href="https://members.parliament.uk/members/Lords">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Search for Members of the House of Lords

```

interests.

[Learn about their experience, knowledge and](#)

[</div>](#)  
[</div>](#)  
[</div>](#)  
[</a>](#)

[</div>](#)

[</div>](#)  
[</div>](#)  
[</div>](#)  
[<div class="sub-navigation" id="sub-navigation-3" tabindex="-1">](#)  
[<div class="header">](#)  
[<a class="skip-link" href="#">Skip to next main navigation item</a>](#)  
[<div class="title">](#)  
[About Parliament](#)  
[</div>](#)  
[<div class="description">](#)  
[Parliament examines what the Government is doing, makes new](#)  
[laws, holds the power to set taxes and debates the issues of the day.](#)  
[</div>](#)

[<a class="close-sub-navigation" href="#">](#)  
[Close](#)  
[</a>](#)

[<a class="hide-sub-navigation" href="#">](#)  
[Back](#)  
[</a>](#)

[<a href="#" class="close-navigation">](#)  
[Close](#)  
[</a>](#)

[</div>](#)  
[<div class="items">](#)  
[<div class="sections">](#)  
[<div class="section-title">](#)  
[In this section](#)  
[</div>](#)

[<div class="links">](#)  
[<ul>](#)  
[<li>](#)  
[<a class="primary-link" href="/about/">About Parliament](#)

home</a>

[</li>](#)

[<li>](#)  
[<a href="/about/how/">How Parliament works</a>](#)  
[</li>](#)  
[<li>](#)

```
About MPs, Lords
& officers

 <a href="/about/independent-complaints-and-
grievance-scheme/">Independent Complaints and Grievance Scheme
(ICGS)

 Living Heritage

 Jobs at Parliament

 Frequently Asked
Questions

 Sustainability and
environmental performance in Parliament

 UK Parliament's
Modern Slavery Programme

 Parliament
and Women

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Parliament's role
 </div>
 <div class="featured-primary">
 <a class="card" href="/about/working/workplace-equality-
networks/">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Workplace Equality Networks
 </div>
 <div class="secondary-info">
 Staff networks for people to discuss and
consider issues.
 </div>
 </div>
 </div>
 </div>
 </div>
</div>

```



</div>

</div>

</div>

<div class="sub-navigation" id="sub-navigation-4" tabindex="-1">  
<div class="header">

<a class="skip-link" href="#">Skip to next main navigation item</a>

<div class="title">

Get involved

</div>

<div class="description">

Read about how to contact an MP or Lord, petition Parliament and find out details of events in your area.

</div>

<a class="close-sub-navigation" href="#">

Close

</a>

<a class="hide-sub-navigation" href="#">

Back

</a>

<a href="#" class="close-navigation">

Close

</a>

</div>

<div class="items">

<div class="sections">

<div class="section-title">

In this section

</div>

<div class="links">

<ul>

<li>

<a class="primary-link" href="/get-involved/">Get involved home</a>

</li>

<li>

<a href="/get-involved/contact-an-mp-or-lord/">Contact an MP or a Member of the Lords</a>

</li>

<li>

<a href="/link/0b78d666cd2a4e8ba8de4f5afa6dd154.aspx">Request a workshop</a>

</li>

<li>

<a href="/get-involved/education-programmes/">Join a learning programme</a>

</li>

```


 <a href="/get-involved/research-impact-at-the-uk-
parliament/">Research impact at the UK Parliament

 Have
your say: Laws & debates

 Watch Parliament at
work

 Y Gornel
Gymraeg

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Get involved with Parliament
 </div>

 <div class="featured-primary">

 <a class="card" href="/get-involved/contact-an-mp-or-
lord/">

 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Contact an MP or Lord
 </div>
 <div class="secondary-info">
 Contact your MP or a Member of the House of
Lords about an issue that matters to you.
 </div>
 </div>
 </div>

 <a class="card" href="https://parliament.us16.list-
manage.com/subscribe?
u=3ad7e4c57a864f07e4db008c4&id=26d0645ea9">

 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Keep up to date
 </div>
 <div class="secondary-info">
 Sign up for the Your Parliament newsletter to
find out how you can get involved.
 </div>
 </div>
 </div>

```

```
 </div>

</div>

<div class="featured-sub-title">
 It starts with action
</div>

<div class="featured-secondary">

 Sign or create
a petition

 <a
href="https://www.ukparliamentweek.org/en/about/?utm_campaign=0620-mar-
ee-
ukpw20nav&utm_medium=referral&utm_source=ukparliament">Sign
up to UK Parliament Week

</div>
</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-5" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Visit Parliament
 </div>
 <div class="description">
 Find out how to take a tour in person, join an online event, book
tickets and plan a visit to UK Parliament.
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>
```

```

<div class="links">

 Visit Parliament
home

 Tours

 Talks and
events

 <a href="/visiting/visiting-and-tours/watch-committees-
and-debates/">Watch debates and committees

 Plan your visit

 360° virtual tour

 Venue hire

 Parliament
Shop

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Keep up to date
 </div>

 <div class="featured-primary">

 <a class="card" href="https://parliament.us16.list-
manage.com/subscribe?
u=3ad7e4c57a864f07e4db008c4&id=e227b1ada0">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Visit newsletter
 </div>
 <div class="secondary-info">
 Sign up to our newsletter to receive the latest
news about visiting UK Parliament.
 </div>
 </div>
 </div>
 </div>
 </div>

```

```

 </div>

</div>

 </div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-6" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Learning
 </div>
 <div class="description">
 Your UK Parliament offers free, flexible support for teachers,
community groups, and home educators to spark engagement and active
citizenship.
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 <a class="primary-link"
href="https://learning.parliament.uk/">Learning home

 <a href="https://learning.parliament.uk/contact-
us/">About UK Parliament education

 Teacher resources and lesson
plans


```

```

 <a href="https://learning.parliament.uk/teacher-
training/">CPD Training

 Outreach

 <a href="https://learning.parliament.uk/visit-
us/">Visit

</div>
</div>
<div class="featured">
 <div class="featured-title">
 Supporting teachers
 </div>

 <div class="featured-primary">

 <a class="card" href="https://learning.parliament.uk/visit-
us/">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Inspire your students
 </div>
 <div class="secondary-info">
 Book a school visit, classroom workshop or
teacher-training session
 </div>
 </div>
 </div>
 </div>
 <a class="card"
href="https://learning.parliament.uk/resources/?
_ga=2.258436490.1604750048.1581933597-713880572.1533658038">
 <div class="card-inner">
 <div class="content">
 <div class="primary-info">
 Free teacher training resources
 </div>
 <div class="secondary-info">
 Access videos, worksheets, lesson plans and
games.
 </div>
 </div>
 </div>

 </div>

 <div class="featured-sub-title">

```

```
 Keep up to date
 </div>

 <div class="featured-secondary">

 <a
href="https://parliament.us16.list-manage.com/subscribe?
u=3ad7e4c57a864f07e4db008c4&id=68f219c688">Sign up to our
education newsletter

 </div>
</div>
</div>
</div>
<div class="sub-navigation" id="sub-navigation-7" tabindex="-1">
 <div class="header">
 Skip to next main navigation item
 <div class="title">
 Shop
 </div>
 <div class="description">
 Shop
 </div>

 Close

 Back

 Close

 </div>
 <div class="items">
 <div class="sections">
 <div class="section-title">
 In this section
 </div>

 <div class="links">

 <a class="primary-link"
href="https://www.shop.parliament.uk/">Shop home

 </div>
 </div>
 <div class="featured">
```

```
 </div>
 </div>
 </div>
 </nav>
</div>
```

```
 <div class="product-header">
 <div class="container">
 UK Parliament
 </div>
 </div>
 </header>
```

```
 <div class="context-nav context-nav-brand" role="navigation" aria-
label="Breadcrumb">
 <div class="container">
```

```
 <div class="breadcrumb breadcrumb-adaptive breadcrumb-touch
breadcrumb-loaded">

 UK Parliament
 MPs, Lords &
Offices
 Parliamentary offices

 </div>
 </div>
 </div>
```

```
<main id="main-content">
```

```
 <div class="container">
 <article>
```

```
 <div class="block block-page">
 <div class="article article-cms with-separator">
 <h1>Parliamentary offices</h1>

 <div class="row">
 <div class="col-lg-8 primary-content"><div class="secondary-nav
secondary-nav-promote-mobile" aria-expanded="false">
 <div class="heading">
 <h2>In this section</h2>
```



```

<div class="toggle">ShowHide</div></div>
<div class="items">
 <ul class="secondary-nav-level-0">
 <li class="parent">
 <a href="/mps-lords-and-offices/" aria-label="Up one level to
Parliamentary offices">
 MPs, Lords & Offices
 <div class="icon-box"><span class="icon"
aria-hidden="true"></div>
 <ul class="secondary-nav-level-1">
 <li class="active">
 <a href="/mps-lords-and-offices/offices/" tabindex="-1" aria-
label="You're currently on Parliamentary offices"><div class="indicator-
box"></div>
 Parliamentary offices
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

 <ul class="secondary-nav-level-2">

 <a href="/mps-lords-and-offices/offices/bicameral/"
aria-label="Go to child page Bicameral offices"><div class="indicator-
box"></div>
 Bicameral offices
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

 <a href="/mps-lords-and-offices/offices/commons/"
aria-label="Go to child page Commons offices"><div class="indicator-
box"></div>
 Commons offices
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

 <a href="/mps-lords-and-offices/offices/lords/" aria-
label="Go to child page Lords offices"><div class="indicator-box"></div>
 Lords offices
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

 <a href="/mps-lords-and-offices/offices/delegations/"
aria-label="Go to child page Delegations to Parliamentary Assemblies"><div
class="indicator-box"><span class="indicator"
aria-hidden="true"></div>
 Delegations to Parliamentary Assemblies
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

```

```


</div>
</div>

<div class="introduction">

```

```

<div class="rte main-introduction"><p>Departments and offices provide
support to MPs and Members of the House of Lords so that they can carry out
their duties.</p></div> </div>

```

```

 <div class="main-body">
 <div class="section-promotion">
<h2>Bicameral
offices</h2>
<div class="inner">
<p>Bicameral offices work both for the House of Lords and House of Commons,
including the Parliamentary archives, the Education Service and the
Parliamentary Office of Science and Technology</p>
</div>
</div>
<div class="section-promotion">
<h2>Commons
offices</h2>
<div class="inner">
<p>Offices working for the House of Commons, including the House of Commons
Enquiry Service, the Freedom of Information Office and the Scrutiny Unit</p>
</div>
</div>
<div class="section-promotion">
<h2>Lords offices</h2>
<div class="inner">
<p>Offices providing support for the House of Lords and its Members including,
Lords Committees, Human Resources and the Lords Freedom of Information
Office</p>
</div>
</div>
<div class="section-promotion">
<div class="inner">

```

```
<h2>Delegations</h2>
<p>Delegations to Parliamentary Assemblies</p>
</div>
</div>
</div>
```

```
</div>
```

```
<div class="col-lg-4 secondary-content">
 <div class="secondary-nav secondary-nav-promote-mobile" aria-
expanded="false">
 <div class="heading">
 <h2>In this section</h2>
 <div class="toggle">ShowHide</div></div>
 <div class="items">
 <ul class="secondary-nav-level-0">
 <li class="parent">
 <a href="/mps-lords-and-offices/" aria-label="Up one level to
Parliamentary offices">
 MPs, Lords & amp; Offices
 <div class="icon-box"><span class="icon"
aria-hidden="true"></div>
 <ul class="secondary-nav-level-1">
 <li class="active">
 <a href="/mps-lords-and-offices/offices/" tabindex="-1" aria-
label="You're currently on Parliamentary offices"><div class="indicator-
box"></div>
 Parliamentary offices
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

 <ul class="secondary-nav-level-2">

 <a href="/mps-lords-and-offices/offices/bicameral/"
aria-label="Go to child page Bicameral offices"><div class="indicator-
box"></div>
 Bicameral offices
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

 <a href="/mps-lords-and-offices/offices/commons/"
aria-label="Go to child page Commons offices"><div class="indicator-
box"></div>
 Commons offices
```

```

 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

 <a href="/mps-lords-and-offices/offices/lords/" aria-
label="Go to child page Lords offices"><div class="indicator-box"></div>
 Lords offices
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

 <a href="/mps-lords-and-offices/offices/delegations/"
aria-label="Go to child page Delegations to Parliamentary Assemblies"><div
class="indicator-box"><span class="indicator"
aria-hidden="true"></div>
 Delegations to Parliamentary Assemblies
 <div class="icon-box"><span class="icon" aria-
hidden="true"></div>

</div>
</div>

```

```

 <div class="right-content-area">
 <div class="content-block content-block-teaser tag-right-content-area">

```

```

<div class="widget widget-teaser no-image">
 <div class="heading no-icon">
 <h2> Contact the House of Commons</h2>
 </div>

```

```

 <div class="content">
 <p>The <a href="/mps-lords-and-offices/offices/commons/house-of-
commons-enquiries-service/about-our-service/">House of Commons Enquiry
Service answers questions about the business, history and membership of
the House.</p>
 <p>Telephone: 0800 112 4272 (Freephone)
or 020 7219 4272
Email: hcenquiries@parliament.uk</
a>
Text phone: Dial 18001 followed by our full number

Telephone

```



```

 <div class="p-footer__wrapper">
<div class="p-footer__panel p-footer__panel-top">
 <div class="p-footer__panel-top-col">
 <h6 class="p-footer__heading">Popular</h6>
 <ul class="p-footer__list">

 What's on in
Parliament

 Petitions

 Jobs at Parliament

 <a href="/mps-lords-and-offices/offices/commons/media-
relations-group/">Commons Media Relations

 Lords Press Office

 Contact us

 </div>
 <div class="p-footer__panel-top-col">
 <h6 class="p-footer__heading">Research</h6>
 <ul class="p-footer__list">

 Commons
Library

 Lords Library

 POST

 </div>
</div>
<div class="p-footer__panel">
 <h6 class="p-footer__heading">Search Parliament</h6>
 <form action="/Search/Index" method="post">
 <div class="p-
footer__input-group">
 <input aria-label="Search UK Parliament" id="footer-search-box"
name="q" autocomplete="off" required="" type="text">
 <svg><use xlink:href="#p-icon__search"></use></svg>
 </div>
 </form>
 <h6 class="p-footer__heading">Watch Parliament Live</h6>

 Parliament Live TV

```

```


 <h6 class="p-footer__heading">Follow Parliament</h6>
 <div class="p-footer__social">

 <svg><use xlink:href="#p-icon__twitter"></use></svg>
 Twitter

 <svg><use xlink:href="#p-icon__instagram"></use></svg>
 Instagram

 <a href="http://en-gb.facebook.com/pages/London-United-Kingdom/UK-
Parliament/16553417732" target="_blank">
 <svg><use xlink:href="#p-icon__facebook"></use></svg>
 Facebook

 <svg><use xlink:href="#p-icon__youtube"></use></svg>
 YouTube

 </div>
</div>
<div class="p-footer__panel">
 <h6 class="p-footer__heading">Legal</h6>
 <ul class="p-footer__list">

 Accessibility
statement

 Modern slavery statement

 About this site

 <a href="/site-information/data-protection/data-protection-and-
privacy-policy/">Privacy notice

 Cookie policy

 Cookie settings

</div>

 <div class="p-footer__panel p-footer__panel-bottom">
 <p>© UK Parliament 2022</p>
 <svg class="p-footer__logo">
 <use xlink:href="#p-icon__portcullis"></use>
 </svg>

```





6.153.32h-2.462V16h2.462v2.462zm0 4.924h-2.462v-2.462h2.462v2.462zm0  
4.923h-2.462v-2.462h2.462v2.462zm-4.924-9.846h-2.461V16h2.461v2.462zm0  
4.923h-2.461v-2.462h2.461v2.462zm0 4.923h-2.461v-2.462h2.461v2.462zm-  
4.923-9.846h-2.461V16h2.461v2.462zm0 4.923h-2.461v-2.462h2.461v2.462zm0  
4.923h-2.461v-2.462h2.461v2.462zm-4.923-9.846H7.385V16h2.461v2.462zm0  
4.923H7.385v-2.462h2.461v2.462zm0 4.923H7.385v-2.462h2.461v2.462zm-  
4.923-14.77v23.385l2.462-3.692v-2.462h2.461v2.462h-.615v.615l1.846 3.077  
1.846-3.077v-.615h-.615v-2.462h2.461v2.462h-.615v.615l1.846 3.077  
3.077v-.615h-.615v-2.462h2.461v2.462h-.615v.615l1.846 3.077 1.846-  
3.077v-.615h-.615v-2.462h2.462v2.462l2.46  
3.692V13.538H4.924z"></path></symbol>

<symbol id="p-icon\_\_twitter" viewBox="0 0 31 26"><path d="M9.938  
25.188c11.318 0 17.51-9.38 17.51-17.51 0-.264-.006-.534-.018-.797a12.5 12.5 0  
0 0 3.07-3.187c-1.122-5-2.313-8.25-3.533-9.67a6.188 6.188 0 0 0 2.707-3.404  
12.371 12.371 0 0 1-3.907 1.494 6.163 6.163 0 0 0-10.493 5.612A17.48 17.48 0  
0 1 2.591 1.937a6.162 6.162 0 0 0 1.905 8.213 6.162 6.162 0 0 1-  
2.789-.768v.077a6.152 6.152 0 0 0 4.938 6.035 6.117 6.117 0 0 1-2.776.105  
6.167 6.167 0 0 0 5.746 4.278A12.344 12.344 0 0 1 .5 22.423a17.46 17.46 0 0 0  
9.438 2.765Z"></path></symbol>

<symbol id="p-icon\_\_instagram" viewBox="0 0 31 30"><path d="M15.5  
2.701c4.008 0 4.482.018 6.059.088 1.464.065 2.255.31 2.783.516.697.27  
1.201.597 1.723 1.119.527.527.85 1.025 1.119 1.722.205.528.45 1.325.515  
2.784.07 1.582.088 2.056.088 6.058 0 4.008-.017 4.483-.088 6.059-.064  
1.465-.31 2.256-.515 2.783a4.639 4.639 0 0 1-1.12 1.723 4.614 4.614 0 0 1-  
1.722 1.119c-.527.205-1.324.451-2.783.515-1.582.07-2.057.088-6.059.088-  
4.008 0-4.482-.017-6.059-.087-1.464-.065-2.255-.311-2.783-.516a4.64 4.64 0 0  
1-1.722-1.12 4.614 4.614 0 0 1-1.12-1.722c-.205-.527-.45-1.324-.515-2.783-.07-  
1.582-.088-2.057-.088-6.059 0-4.008.017-4.482.088-6.058.064-1.465.31-  
2.256.515-2.784a4.639 4.639 0 0 1 1.12-1.722 4.614 4.614 0 0 1 1.722-  
1.12c.528-.204 1.324-.45 2.783-.515 1.577-.07 2.051-.088 6.059-.088ZM15.5 0c-  
4.072 0-4.582.018-6.182.088-1.593.07-2.69.328-3.638.697A7.321 7.321 0 0 0  
3.02 2.52a7.35 7.35 0 0 0-1.735 2.654C.916 6.129.658 7.219.588 8.812.518  
10.418.5 10.928.5 15c0 4.072.018 4.582.088 6.182.07 1.593.328 2.69.697  
3.638.387.99.897 1.828 1.735 2.66a7.333 7.333 0 0 0 2.654 1.729c.955.37  
2.045.627 3.638.697 1.6.07 2.11.088 6.182.088 4.072 0 4.582-.017 6.182-.088  
1.594-.07 2.69-.328 3.639-.697a7.334 7.334 0 0 0 2.654-1.729 7.334 7.334 0 0 0  
1.728-2.654c.37-.955.627-2.045.698-3.639.07-1.6.087-2.109.087-6.181s-.017-  
4.582-.087-6.182c-.07-1.594-.329-2.69-.698-3.638a7.026 7.026 0 0 0-1.716-  
2.666A7.333 7.333 0 0 0 25.325.79c-.955-.37-2.045-.627-3.639-.697C20.082.018  
19.572 0 15.5 0Z"></path><path d="M15.5 7.295A7.707 7.707 0 0 0 7.795  
15a7.707 7.707 0 0 0 7.705 7.705A7.707 7.707 0 0 0 23.205 15 7.707 7.707 0 0  
0 15.5 7.295Zm0 12.703a4.999 4.999 0 1 1 .001-9.997 4.999 4.999 0 0 1-.001  
9.997ZM25.309 6.99a1.8 1.8 0 1 1-3.599 0 1.8 1.8 0 0 1 3.599  
0Z"></path></symbol>

<symbol id="p-icon\_\_facebook" viewBox="0 0 30 30"><path d="M30 15c0-  
8.284-6.716-15-15-15C6.716 0 6.716 0 15c0 7.487 5.485 13.692 12.656  
14.818V19.336H8.848V15h3.808v-3.305c0-3.76 2.24-5.836 5.666-5.836 1.64 0  
3.358.293 3.358.293v3.692h-1.892c-1.863 0-2.444 1.156-2.444  
2.344V15h4.16l-.665 4.336h-3.495v10.482C24.514 28.692 30 22.487 30  
15Z"></path></symbol>

```
<symbol id="p-icon__youtube" viewBox="0 0 30 22"><path d="M29.701
5s-.293-2.068-1.195-2.977C27.363.828 26.086.823 25.5.752 21.305.447
15.006.447 15.006.447h-.012S8.695.447 4.5.752c-.586.07-1.863.076-3.006
1.271C.592 2.933.304 5 .304 5S0 7.432 0 9.857v2.274c0 2.426.299 4.857.299
4.857s.293 2.069 1.19 2.977c1.142 1.195 2.642 1.154 3.31 1.283C7.2 21.477 15
21.547 15 21.547s6.305-.012 10.5-.31c.586-.07 1.863-.077 3.006-
1.272.902-.908 1.195-2.977 1.195-2.977S30 14.563 30 12.131V9.857C30 7.432
29.701 5 29.701 5Zm-17.8 9.89V6.46l8.103 4.23-8.104
4.2Z"></path></symbol>
```

```
<symbol id="p-icon__search" viewBox="0 0 16 16"><path fill-rule="evenodd"
clip-rule="evenodd" d="M6.394 12.568C2.863 12.568 0 9.755 0 6.284 0 2.814
2.863 0 6.394 0c3.53 0 6.393 2.813 6.393 6.284a6.18 6.18 0 01-1.077
3.492.53.53 0 00.055.676l3.622 3.56a.5.5 0 010 .714l-.417.41a.5.5 0 01-.7 0l-
3.646-3.584a.529.529 0 00-.663-.052 6.442 6.442 0 01-3.567 1.068zm4.794-
6.284c0 2.603-2.147 4.713-4.795 4.713s-4.795-2.11-4.795-4.713S3.745 1.57
6.393 1.57s4.795 2.11 4.795 4.713z"></path></symbol>
```

```
</svg>
```

```
<div class="cookie-manager">
 <div class="cookie-manager-overlay"></div>
 <div class="cookie-preferences" id="cookiemodal" role="region"
tabindex="-1">
 <div class="cookie-preferences__header">
 <h2>Cookie settings</h2>
 <p>
 Cookies are small files saved on your phone, tablet or computer
when you visit
 a website. They store information about how you use the website,
such as the
 pages you visit. They are used to make websites work and improve
your
 experience.
 </p>
 <p>
 We use three types of cookies. You can choose which cookies you
are happy for
 us to use.
 </p>
 <p>
 Read our cookie
 policy for more information
 </p>
 </div>
 <div class="cookie-preferences__settings">
 <div>
 <h3>Essential cookies</h3>
 <p>
 These cookies always need to be on as they help to make our
website work.

```

things Essential cookies are a site's basic form of memory, so they do like remember if you are logged in to a part of the website.

You may be able to block these cookies by changing the preferences on your browser, but this can limit you from accessing our online services.

```
</p>
</div>
<div>
 <h3>Analytics cookies</h3>
 <div class="cookie-toggle">
 <input class="cookie-toggle__checkbox" data-cookiemanager-
toggle-type="0" data-cookiemanager-toggle-value="analytics"
id="Analyticstoggle" type="checkbox" aria-checked="false" aria-label="Toggle
for Analytics">
 <label aria-hidden="true" class="cookie-toggle__label"
for="Analyticstoggle">Off</label>

 </div>
 <p>
 We use analytics tools to collect data on how people use our
website
 to help make improvements.
 </p>
 <p>
 These cookies let us understand how people access our site,
where
 they are accessing from, what pages they visit and what
technology
 they are using.
 </p>
</div>
<div>
 <h3>Marketing cookies</h3>
 <div class="cookie-toggle">
 <input class="cookie-toggle__checkbox" data-cookiemanager-
toggle-type="1" data-cookiemanager-toggle-value="marketing"
id="Marketingtoggle" type="checkbox" aria-checked="false" aria-label="Toggle
for Marketing">
 <label aria-hidden="true" class="cookie-toggle__label"
for="Marketingtoggle">Off</label>

 </div>
 <p>
 These cookies may be set by third-party sites and help ensure our
marketing content is relevant, timely and interesting to you.
 </p>
 <p>
 It also helps to measure and improve the effectiveness of our
```

```
 advertising campaigns.
 </p>
</div>
</div>
<div class="cookie-preferences__footer">
 <a id="modalsavepreferences" href="#" class="cookie-
manager__button">
 Save cookie settings

 <a id="closemodal" href="#" class="cookie-preferences__close-
modal">
 Close cookie settings

</div>
</div>
</div><div class="primary-nav-overlay"></div></body></html>
```